Report For:

SUMMARY REPORT
QUANTA RESOURCES SITE
EDGEWATER, NEW JERSEY

Prepared For:

△lliedSignal

101 Columbia Road,
Morristown, New Jersey 07962

Prepared By:

P PARSONS

290 Elwood Davis Road, Suite 312
Liverpool, New York 13088
Phone: (315) 451-9560
Fax: (315) 451-9570

May 1999

STATEMENT OF RESPONDENT

To the best of my knowledge, after thorough investigation, I certify that the information contained in and accompanying this submission is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

J. Mark Kamilow
Project Manager
AlliedSignal Inc.

SECTION 1

INTRODUCTION

This Summary Report presents a description of tasks undertaken by AlliedSignal Incorporated to satisfy the requirements set forth in the Administrative Order on Consent Index Number II-CERCLA-96-0105 (the Order) for the Quanta Resources Site (the Site) located at 163 River Road, Edgewater, Bergen County, New Jersey. As outlined in the Findings of Fact, Allied Chemical Corporation (now AlliedSignal Inc.) operated a coal tar processing operation at the site beginning in the 1930s continuing until 1974, when it sold the site to the present landowners. In 1977 the site was leased by E.R.P. Corporation for the storage and recycling of oil. At a time after May 1977, E.R.P Corporation assigned its lease to Edgewater Terminals, Inc. who re-assigned the lease to Quanta Resources Corporation on or about July 29, 1980. Quanta Resources Corporation was a subsidiary of A.G. Becker Paribas, Incorporated.

The site contained 61 above-ground tanks with a total capacity of 9,000,000 gallons, ten or more underground tanks with a capacity of 40,000 gallons, septic tanks and numerous underground piping to transfer CERCLA hazardous substances, pollutants and contaminants between the tank farms. Oils and sludges were shipped to the site from refineries, chemical firms, and other industries for processing. Contamination of surface soils, subsurface soils, Hudson River sediments, and groundwater beneath the Site has been documented by the EPA in site assessments dated March 1992 and March 1995. The EPA site assessments found arsenic, asbestos, benzene, metals, polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH), and other volatile organic compounds. The Conclusions of Law and Determinations in the Order described the contaminants at the site as CERCLA "hazardous substances" which constituted an actual or threatened "release" of a hazardous substance from the facility. The conditions at the site constituted an imminent and substantial endangerment to public health, welfare, or the environment. A removal action was required by the Order to protect the public health, welfare, or the environment.

Based on the Findings of Fact and Conclusions of Law and Determination, the Order specified the Respondent (AlliedSignal Inc.) would undertake a response action at the Site. A Work Plan was prepared which addressed the sixteen activities listed as A. through P. in Section VII of the Order.

Following this introduction, Section 2 presents documentation and a description of the activities conducted to address the sixteen items specified in the Description of Work. Copies of pertinent information follow Section 2 as Attachments (A through M).

SECTION 2

DESCRIPTION AND DOCUMENTATION

Each of the sixteen items specified in Item 20, Description of Work, in the Order for inclusion in a Work Plan are presented here in italics followed by a description of the activities taken to satisfy each requirement.

a. time schedules for the performance of the specific tasks set forth in this Order.

A time schedule was presented in Section 5 of the <u>Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey</u> dated November 1996 (Parsons ES, 1996). The report cover, Title Page, and Table of Contents are included as Attachment A.

b. installation of a continuous perimeter fence, except that portion which is to be completed by others by the replacement of River Road; which shall be maintained for 30 years, unless damage to the fence is routine and unavoidable, or until conditions permit unrestricted access to the Site, as determined by EPA's OSC.

AlliedSignal Inc. contracted Guardian Fence Company, Inc. to perform the required repairs to the fence surrounding the site. Repairs to the fence were completed in December 1997. A January 6, 1998 invoice (No. 35356) from Guardian Fence Company, Inc. for labor, materials, and equipment is included as Attachment B.

c. maintain boom deployment/oil collection in the Hudson River at the bulkhead Hudson River interface until a ground-water collection/treatment or product recovery system is operational.

Clean Harbors Environmental Services, Inc. was contracted to install and maintain a containment boom off the bulkhead wall in the Hudson River adjacent to the Edgewater Site. The boom was installed between October 10, 1997 and October 13, 1997. The November 19, 1997 letter from Clean Harbors to AlliedSignal describing the boom installation is included as Attachment C.

The boom is inspected weekly by AlliedSignal personnel. A weekly inspection report is completed and distributed to the AlliedSignal project manager and Mr. Robert Montgomery of the USEPA. An example boom inspection report is included as Attachment D. Maintenance is performed by Clean Harbors Environmental Services, Inc. as needed. The scope of work performed by Clean Harbors is detailed in the February 18, 1998 letter from Clean Harbors to AlliedSignal, which is also included as Attachment D.

---

d. removal of the two underground storage tanks and residual material reportedly located by the west fence in the "C" tank farm area (unless the storage tanks are beneath the River Road replacement) and sample and analyze the surrounding soil and treat and dispose of same, as EPA's OSC deems appropriate.

A magnetometer survey was conducted between March 11, 1997 and March 13, 1997 to locate the reported underground storage tanks. Interference from steel reinforcement in concrete foundations and metallic debris rendered the method ineffective as described in the May 1997 <u>Data Report For: Pre-design Investigation at the Quanta Resources Site, Edgewater, New Jersey</u> (Parsons ES, May 1997). The text of the May 1997 report is included in Attachment E. Five test pit excavations were conducted on July 24, 1997 and six test pit excavations were conducted between September 23 and 24, 1997. No underground storage tanks were found. Test pit logs were presented in the March 1998 <u>Data Report for Pre-design Investigation at the Quanta Resources Site, Edgewater, New Jersey</u> (Parsons ES, March 1998). The report cover and table of contents are included as Attachment F. A water sample was collected from Test Pit 10 by the USEPA Contractor and submitted for VOC, SVOC, and TCLP analyses. These results would have been submitted directly to the USEPA.

e. removal of the septic tank and the affiliated system in the "D" tank farm including any residual material and sample and analyze the surrounding soil in the unsaturated zone and treat or dispose of same, as EPA's OSC deems appropriate.

No septic tank was found during the magnetometer survey nor during the test pit excavations (Attachment E: Parsons ES, May 1997 and Attachment F: Parsons ES, March 1998).

f. removal of any underground pipes, underground storage tanks, Waste Materials, articles or debris that may be encountered during the performance of Work at the Site, in accordance with the Clean-Up Plan in Paragraph 27, below. In addition, Respondent shall remove any residual material and sample and analyze the surrounding soil in the unsaturated zone in accordance with the "sampling plan for soils" noted in work item j., below, and treat and dispose of the same, as EPA's OSC deems appropriate.

No continuous product piping was found during the performance of work at the site. The removal of underground pipe debris, contaminated soils, and debris encountered during test pit excavations was deferred at the direction of the USEPA OSC until a site remediation is conducted under the current Administrative Order on Consent (AOC) (II-CERCLA-98-0112). Test pit findings are presented in test pit logs in the March 1998 <u>Data Report for Pre-design Investigation at the Quanta Resources Site, Edgewater, New Jersey</u> (Attachment F: Parsons ES, March 1998).

g. defining the extent of PCB soil contamination in the surface soil (i.e., 0 to 6 inches from the surface) surrounding sampling point QE002 (sampling point found in the EPA Removal Site Evaluation), then excavate and treat or dispose of the PCB-contaminated soil, as EPA's OSC deems appropriate.

Five surface soil samples were collected near River Road to delineate the extent of PCBs as initially found in Sample QE002. Low concentrations (0.38 mg/kg to 3.65 mg/kg), below the USEPA Interim Surface Clean-up Standard used at the Carvel site (New Jersey) and below the USEPA General Cleanup Level of 10-15 mg/kg and below the TSCA limit of 50 mg/kg were detected in the surface soil samples. Analytical results were included in Attachment A of the May 1997 Data Report (Attachment E: Parsons ES, May 1997). No clean-up was required.

h. removal and treatment or disposal of all visibly contaminated surface soils and any other soil in the unsaturated zone determined to be contaminated during the courses of site remediation activities as determined by the EPA OSC through visual observation, analytical testing, or air monitoring.

Visible staining and tarry material was observed in surface soils in the central and eastern portion of the site (Attachment E: Parsons ES, March 1998). Test pit excavations and soil borings also indicated the presence of tarry material in the unsaturated soils. The EPA OSC directed AlliedSignal that removal action was unnecessary at that time. The removal, treatment, or disposal of these soils was incorporated into the new AOC (II-CERCLA-98-0112).

i. removal and disposal of all friable asbestos containing materials from the Site.

Four samples were collected from material covering the two boilers located inside the existing metal building for asbestos analysis. Results indicated that material covering the boilers contained asbestos (Attachment E: Parsons ES, May 1997). Marcor Remediation was contracted to remove the asbestos material from the boilers. After removal, the material was shipped on December 18, 1997 by BFI Systems to the Conestoga Landfill at Mineview Drive, Morgantown, Pennsylvania 18543 under Manifest Number 70781. The shipping manifest is included as Attachment G.

j. a sampling plan for surface soils, in accordance with the guidelines in Paragraphs 25 and 26 below, which shall include, at a minimum, the following: number of samples, sample point locations, and depth and interval of samples. In addition, the soil sampling plan shall include a quality assurance level of sampling acceptable to EPA's OSC, type of laboratory analysis including QA level to be completed, chain of custody procedure and the identity of the laboratory conducting the analysis.

A Sampling and Analysis Plan was completed and included in the November 1996 Project Plans for the Remedial Design Services at the Quanta Resources Site,

<u>Edgewater, New Jersey</u> as Appendix A (Parsons ES, November 1996). The Title Page and Table of Contents are included here as Attachment H.

k. *identification of problems encountered in performing the Work pursuant to this Order.*

The magnetometer survey was unsuccessful because of interference from steel in the reinforced concrete and from metallic debris. Test pit excavations were conducted to fill data gaps left by the magnetometer survey.

l. *creation of records for removal of materials pursuant to m. and n. below. Such records shall include the quantity of waste that are removed, and the destination of such wastes. These records shall be in the form of manifests, bills of lading, invoices, and gate receipts.*

No surface soils, subsurface soils, or other subsurface wastes were removed.

m. *removal of contaminated surface soils in accordance with the Clean-up Plan in Paragraph 27, below.*

No wastes were removed.

n. *performance of a utility search of the Site.*

Historical site plans were obtained and reviewed. Sanborn Fire Insurance maps for the years 1900, 1911, 1930, 1950, and 1968 were obtained and reviewed. The Sanborn maps were included as Appendix A in the <u>Data Report for Pre-Design Investigation at the Quanta Resources Site, Edgewater, New Jersey</u> (Attachment F: Parsons ES, March 1998).

o. *installation of an on-site trailer office space and use of a portable telephone for EPA and its contractors or subcontractors.*

Due to the short duration of the site investigation activities, an on-site trailer and telephone were not installed.

p. *performance of a geophysical study of the Site and/or the use of test excavation, to determine the locations of pipes and tanks.*

A magnetometer survey was conducted between March 11 and 13, 1997. This survey was unsuccessful because of steel in reinforced concrete and metallic debris. Test pits were conducted on July 24, 1997 and September 23 and 24, 1997. Buried pipes were found but no underground storage tanks were found. Test pit logs were included in Appendix B of the <u>Data Report for Pre-Design Investigation at the Quanta Resources Site, Edgewater, New Jersey</u> (Attachment F: Parsons ES, March 1998).

In addition to Item 20, Item 23 required the preparation of a Health and Safety Plan (HASP) and Item 26 required the preparation of a QA/QC Plan. Item 27 required the preparation of

a Clean-up Plan if removal of soils, piping, tanks, or other Waste materials were determined to be necessary.

A Health and Safety Plan was prepared by Parsons ES. It was included in the <u>Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey</u> as Appendix C (Parsons ES, November 1996). The Title Page and Table of Contents are included as Attachment I.

A Quality Assurance/Quality Control (QA/QC) Plan was prepared by Parsons ES. It was included in the <u>Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey</u> as Appendix B (Parsons ES, November 1996). The Title Page and Table of Contents are included as Attachment J.

The preparation of a Clean-up Plan was not required as no removal actions were conducted. Based upon the findings of the field investigation conducted by Parsons ES, it was determined additional site investigation was needed. A subsequent AOC (II-CERCLA-98-0112) was executed in September 1998, which includes requirements for investigation and remediation of the site.

Section IX. Completion of the Work also lists the following requirements that the Respondent assert that the Work required has been successfully completed in full satisfaction of the Order including:

a. Synopsis of all Work performed under this Order.

This summary report presents a synopsis of Item 20 A through P and Items 23 and 26 listed under Section VII Description of Work. Each of the tasks are summarized and includes references to the reports where results are presented.

b. Identification and detailed description of all EPA approved modifications to the Work Plan, HASP, and Clean-up Plan which occurred during Respondent's performance of the Work required under this order.

There were no significant modifications to the Work required under this Order. Results for the various tasks have been discussed above.

c. Analytical results including QA/QC documentation of all sampling required by the Work Plan.

The IEA analytical data package for the March 11, 1997 sampling is submitted as Attachment K. The IEA analytical data package for the March 25, 1997 sampling is submitted as Attachment L.

d. A list of all contractors and subcontractors, utilized during the performance of the Work.

A list of contractors and subcontractors are included as Attachment M.

PARSONS ENGINEERING SCIENCE, INC.

e. *Copies of all manifests and bills of lading generated in connection with the transport and disposal of materials off-site.*

A copy of the manifest for the disposal of asbestos removed from the boilers on-site is included as Attachment G.

f. *Copies of all "certificates of destruction" of all materials which are disposed and or treated off-site.*

A copy of the manifest for the disposal of asbestos removed from the boilers on-site is included as Attachment G.

g. *A sworn statement by authorized representatives of the Respondent setting forth the following: "to the best of my knowledge, after thorough investigation, I certify that the information contained in and accompanying this submission is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

The Respondent statement in Item g. has been included in front of Section 1 in this Summary Report.

ATTACHMENTS

A	Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey, November 1996, Parsons ES *(cover page, title page, and table of contents)*
B	Guardian Fence Invoice, January 6, 1998
C	Clean Harbors Boom Installation Description Letter, November 19, 1997
D	1. Example Boom Inspection Report 2. Clean Harbors Boom Maintenance Scope Letter, February 18, 1998
E	Data Report For: Pre-Design Investigation at the Quanta Resources Site, Edgewater, New Jersey, May 1997, Parsons ES *(text)*
F	Data Report For: Pre-Design Investigation at the Quanta Resources Site, Edgewater, New Jersey, March 1998, Parsons ES *(Cover Page, Table of Contents)*
G	BFI Asbestos Manifest, December 18, 1997
H	Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey, November 1996, Parsons ES *(Sampling and Analysis Plan: Title Page and Table of Contents)*
I	Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey, November 1996, Parsons ES *(Health and Safety Plan: Title Page and Table of Contents)*
J	Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey, November 1996, Parsons ES *(Quality Assurance/Quality Control Plan: Title Page and Table of Contents)*
K	IEA Analytical Data Package for March 11, 1997 Sampling
L	IEA Analytical Data Package for March 25, 1997 Sampling
M	List of Contractors

ATTACHMENT A

PROJECT PLANS

FOR THE

Remedial Design Services
at the
Quanta Resources Site
Edgewater, New Jersey

PREPARED BY

PREPARED FOR

PARSONS ENGINEERING SCIENCE, INC.
Liverpool, New York

PARSONS

AlliedSignal

NOVEMBER 1996

WORK PLAN FOR REMEDIAL DESIGN SERVICES

AT THE

QUANTA RESOURCES SITE

Prepared For:

ALLIEDSIGNAL, INC.
MORRISTOWN, NEW JERSEY

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.
290 ELWOOD DAVIS ROAD, SUITE 312
LIVERPOOL, NY 13088

NOVEMBER 1996

TABLE OF CONTENTS

TABLE OF CONTENTS
(CONTINUED)

TABLE OF CONTENTS
(CONTINUED)

LIST OF APPENDICES

APPENDIX A ALLIEDSIGNAL SPECIFICATIONS

APPENDIX B NEW JERSEY ADMINISTRATIVE CODE TITLE 7 CHAPTER 4B, SUBCHAPTER 9

APPENDIX C NEW JERSEY ADMINISTRATIVE CODE TITLE 7 CHAPTER 26E, SUBCHAPTER 6 (6.3-6.4)

APPENDIX D NEW JERSEY ADMINISTRATIVE CODE TITLE 58 CHAPTER 10A, SUBCHAPTER 24 (24.1)

APPENDIX E TABLE 2-3 N.J.A.C. 7:26E, 2 ANALYTICAL REQUIREMENTS FOR PETROLEUM STORAGE AND DISCHARGE AREAS

LIST OF FIGURES

ATTACHMENT B

315-487-4019

INVOICE

№ 35356

GUARDIAN FENCE COMPANY, INC.

180 Wright St., P.O. Box 2009, Newark, NJ 07114-9998 • 973 824-1850 • FAX 973 824-5862

January 6, 1999

Customer
AlliedSignal Inc.
PO Box 6
Solvay NY 13209

RE: PO 35-75733
163 River Road
Edgewater NJ

ATTN: F. Leming

All labor, materials and equipment necessary to perform the following work:

Cleared, grubbed and removed old fencing. Installed 680 LF of 6' high chain link fencing, removed 80 LF of chain link fence 8'H and replaced with new.

Original contract:	$27,880.00
Less, credit:	− 2,625.00
Total due:	$25,255.00

A. J. Lahr
1/20/98

30916 - 6110

Payment received beyond 30 days is subject to a service charge of 1½% per month (18% per annum).

ATTACHMENT C

CleanHarbors

ENVIRONMENTAL SERVICES, INC.

3 SUTTON PLACE • EDISON, NJ 08817

(908) 248-1997 • FAX (908) 248-4414

November 19, 1997

Al Labuz
Allied Signal, Inc.
1700 Milton Avenue
Solvay, New York 13209

Re: Edgewater, NJ Booming Project Status Report

Dear Mr. Labuz:

Subsequent to our telephone conversation, the following is a
brief summary of the events following the installation of the
containment and sorbant boom at the former Allied Signal facility
in Edgewater, NJ.

Date	Description of Work
10/10/97 to 10/13/97	CHESI began installing 400' of containment and sorbant boom and tide slides per contract with Parsons E.S. EPA arrived and directed change of location of boom and confirmed with Parsons E.S. Required additional 100' of boom to be installed and relocation of tide slides.
10/23/97	CHESI was called to maintain boom and add an additional 100' of boom due to it hanging up on pier pilings. Hard boom had also been detached included removal of safety locking pin. Boom was reattached and length added.
10/28/97	CHESI was called to reattach hard boom once again. CHESI drilled holes in couplers and secured with padlocks. Sorbant boom was also separated. Approximately 100' of sorbant boom was changed and placed in drums.
11/11/97 to 11/12/97	CHESI was called to maintain the sorbant boom that had been separated and change out approximately 400' of saturated boom. CHESI called Al Labuz to discuss reasons for sorbant and containment boom separation. CHESI contacted manufacturer of sorbant boom to discuss options.

CleanHarbors

Page Two
Allied Signal, Inc.
November 19, 1997

The following is a summary of materials being utilized daily at this site:

Quantity	Description
600'	18" Simplex River Containment Boom
600'	5" SPC Oil Sorbant Boom
8	22lb. Anchors
3	Tide Slides

Thank you for allowing Clean Harbors the opportunity to submit this information. Please do not hesitate to contact either myself or Carlos Santiago at 908-248-1997 if you should have any questions or would like to make an appointment to discuss anything.

Very truly yours,
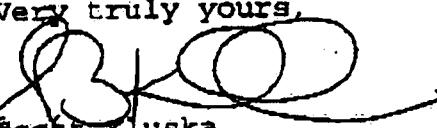
Scott Kluska
Field Service Specialist
CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

cc: Imants Reks, Parsons E.S.

ATTACHMENT D

AlliedSignal
ENGINEERED
MATERIALS

Boom Inspection Checklist

Client: _____   Date: 7 November 1997

_____   Time: 15:00 - 15:25

Site: EDGEWATER PLANT   Tide: (circle one) High Low

EDGEWATER NJ   Weather Condition: Overcast / Windy

The following was performed / observed during the inspection of the containment and/or sorbant boom located at the above referenced site:

	Yes	No	N/A
1. Containment boom found to be floating freely.	☒	☐	☐
2. Sorbant boom found to be floating freely.	☐	☒	☐
3. Tide slides moving freely.	☒	☐	☐
4. Tide slide riser (I-beam, etc.) secure.	☒	☐	☐
5. Anchor(s) in-place and secure. (Quantity = (2)) (LOCATED IN MIDDLE)	☐	☒	☐
6. Sorbant boom secured to containment boom.	☐	☒	☐
7. Does sorbant boom require change out?	☐	☒	☐

If yes, quantity replaced: _____

8. Do any containment boom require repair or replacement?	☐	☒	☐

If yes, action taken: _____
Quantity: _____

9. Additional comments or suggestions.
Containment boom anchors have been installed. Containment boom brought in by tide and is wrapped around existing dock. Sorbant booms separated in several sections, and are not secure to containment boom.

Inspector: _Frank J Leming_   _[signature]_
(Print Name)   (Sign Name)

CleanHarbors ®

ENVIRONMENTAL SERVICES, INC.
3 SUTTON PLACE • EDISON, NJ 08817
(732) 248-1997 • FAX (732) 248-4414
Visit our Website at www.cleanharbors.com

February 18, 1998

Mr. Al Labuz
Allied Signal
1700 Milton Avenue
Solvay, New York 13209

Re: River Boom Deployment/Maintenence
    Edgewater, New Jersey
    Quote #SK0655

Dear Mr. Labuz:

Clean Harbors Environmental Services, Inc. (CHESI), is pleased to
submit the following proposal for the maintenence of river boom
at a site located in Edgewater, New Jersey.

CHESI is both a leader in the environmental service industry and
the hazardous waste disposal industry. We offer our clients a
broad spectrum of environmental services, and the ability to
dispose of hazardous material at or through a Clean Harbor's
owned an operated facility. In addition to managing your
project, a Clean Harbors professional can assist you with:

* Facility Decontamination/Remediation Projects
* Incident Response (24 Hours a day)
* Required OSHA/Safety Training
* Analytical Services
* Lab Pack Services
* Underground Storage Tank Management Services

SCOPE OF WORK:

1. CHESI will dispatch a crew to the site with the following
   personnel and equipment, as applicable to the task, which
   will be utilized for this project:

   * Foreman/Boat Operator
   * Field Technician/Deck Mate
   * Pick-Up Truck
   * Jon Boat

2. An initial safety meeting with the client's safety
   personnel will be conducted to establish emergency and
   operational procedures.

"People and Technology Protecting and Restoring America's Environment"

'leanHarbors

Page Two
Allied Signal
February 18, 1998

3. The CHESI crew will change all petroleum soaked sorbant boom
as direct by Allied Signal's representative and reair/maintain
the containment boom, tide slides and anchors as needed.

The above scope of work will be perform on a time and material
basis and scheduled as the Allied Signal representative requests
it. The following is a list of labor, equipment and material
rates that would be applicable to this project:

ATTACHMENT E

Data Report For:

PREDESIGN INVESTIGATION

At The

QUANTA RESOURCES SITE
Edgewater, New Jersey

Prepared For:

ALLIEDSIGNAL INC.
SOLVAY, NEW YORK

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.

290 Elwood Davis Road, Suite 312
Liverpool, New York 13088
Phone: (315) 451-9560
Fax: (315) 451-9570

May 1997

PARSONS

INTRODUCTION

A focused predesign investigation was conducted between March 11 and 13, 1997, at the Quanta Resources Site in Edgewater, New Jersey to fill data gaps. Work was conducted under the approved Work Plan for the Remedial Design Services dated November 1996 (Parsons ES, 1996). A CERCLA Removal Action has been proposed to address specific contamination problems at the site. The predesign investigation included analytical sampling of soils for polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), and toxicity contaminant leaching procedure (TCLP) at five locations in the vicinity of a former sample "hot spot"; sampling of insulation material on two boilers in the remaining onsite building for asbestos analysis, a magnetometer survey to identify two underground storage tanks (USTs), and a site property and topographic survey. Site background information has been presented in the Work Plan (Parsons ES, 1996) and in the Preliminary Remedial Design Report (April 1997) so it will not be repeated.

PCB SAMPLE RESULTS

Five surface soil samples were collected in the vicinity of a PCB "hot spot" previously identified in sample QE-002 near River Road (USEPA, 1994) to delineate the extent of PCBs in surface soils. Sample QE-002 contained 62 mg/kg of PCB Aroclor 1242 (USEPA, 1994). Sample results are plotted on Figure 1 and are summarized on Table 1.

PCBs were detected at low concentrations in all five surface soils samples. PCB concentrations ranged from 0.38 mg/kg (ppm) in sample SS1 to 3.65 mg/kg in sample SS4. Aroclor 1242 comprised the majority of the PCBs detected. Lesser amounts of Aroclor 1260 were detected in four of the five samples at concentrations ranging from 0.2 to 0.55 mg/kg and Aroclor 1254 in one sample at a concentration of 0.38 mg/kg. All PCB concentrations were below the USEPA Interim Surface Cleanup Standards of 2,000 ppm used at the Carvel site (New Jersey), below the USEPA general cleanup level of 10 to 25 ppm and below the TSCA limit of 50 ppm (USEPA, 1990a).

TPH SAMPLE RESULTS

The five soil samples analyzed for PCBs were also analyzed for TPH. TPH was detected in the diesel fuel range in all five samples. Concentrations ranged from 160 mg/kg in SS1 to 8,600 mg/kg in SS5. TPH was detected in the gasoline range in SS5 at a concentration of 4.4 mg/kg. The detected concentrations of TPH were below the EPA Interim Surface Cleanup Standard of 30,000 ppm used at the Carvel site (New Jersey).

PARSONS ENGINEERING SCIENCE, INC.

TCLP SAMPLE RESULTS

The five surface soil samples were also analyzed for TCLP volatiles and metals. No volatile compounds were detected. The only metal detected was lead at concentrations ranging from 0.103 mg/L in SS2 to 0.594 mg/L in SS5. All lead concentrations were below the regulatory limit of 5 mg/L (USEPA, 1990b).

ASBESTOS SAMPLE RESULTS

Four samples were collected from insulation material on the exterior of two boilers present in the remaining onsite building. Three of the four samples contained asbestos. Sample 1 and Sample 2 collected from the Superior 1950 boiler located at the southern end of the room contained 15 and 25 percent asbestos, respectively. Sample 3 collected from the gasket material on the Cyclo-Therm 1959 boiler located at the northern end of the room contained 60 percent asbestos. Sample 4 collected from insulation material on the southern side of the Cyclo-Therm 1959 boiler did not contain asbestos.

GEOPHYSICAL SURVEY

A magnetometer survey was attempted in the area of two suspected underground storage tanks (USTs). The presence of reinforced concrete caused apparent interference in the magnetometer readings. The survey did not provide useable data.

PROPERTY AND TOPOGRAPHIC SURVEY

A site property and topographic survey was conducted to provide a site-wide property boundary and topographic map. Detailed site features and topographic contours at one foot intervals are present in this map which will be used for future site remedial designs and construction. A copy of this map has been provided to AlliedSignal recently.

RECOMMENDATIONS

The following recommendations are based on analytical results from the March 1997 surface soil and insulation material sampling, results of the geophysical survey, and referenced Standards:

- Detected PCB concentrations are below TSCA, USEPA general cleanup levels, and USEPA Interim Surface Cleanup Standards used at the Carvel site (New Jersey). No action is necessary based on detected PCB concentrations.

- Detected TPH concentrations are below USEPA Interim Surface Cleanup Standards used at the Carvel site (New Jersey). No action is necessary based on detected TPH concentrations.

- Samples analyzed by TCLP methods were all below regulatory limits. No action is necessary based on TCLP results.

PARSONS ENGINEERING SCIENCE, INC.

- Asbestos was present on both boilers present in the remaining site building. It is recommended asbestos material be removed from the boilers.

- Conduct test pit excavation in lieu of further geophysical surveys to locate USTs in their suspected area.

REFERENCES

Parsons ES, 1996. Project Plans for the Remedial Design Services at the Quanta Resources Site, Edgewater, New Jersey, November 1996.

Parsons ES, 1997. Preliminary Remedial Design Report, NAPL Recovery System, Quanta Resources Site, Edgewater New Jersey, April 1997.

USEPA, 1994. Removal Site Evaluation for the Quanta Resources Corporation Site, Edgewater, New Jersey, USEPA Region II, June 1, 1994.

USEPA, 1990a. Guidance on Remedial Actions for Superfund Sites with PCB Contamination. Office of Emergency and Remedial Response, OSWER Directive 9355.4-01.

USEPA, 199b. Hazardous Waste Management System, Identification and Listing of Hazardous Waste, Toxicity Characteristics Revisions. Federal Register 55 (61):11798-11877, March 29, 1990.

ATTACHMENT F

DATA REPORT FOR PRE-DESIGN INVESTIGATION AT THE QUANTA RESOURCES SITE
Edgewater, New Jersey

Prepared For:

ALLIEDSIGNAL INC.

SOLVAY, NEW YORK

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.

290 Elwood Davis Road, Suite 312
Liverpool, New York 13088
Phone: (315) 451-9560
Fax: (315) 451-9570

March 1998

PARSONS

TABLE OF CONTENTS

LIST OF FIGURES

ATTACHMENT G

WfI Systems
BROWNING-FERRIS INDUSTRIES

Conestoga Landfill

70781

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: **Allied Signal, Inc** Location
c. Address: **163 River Road**
Edgewater, NJ 07020
e. Phone No.: **(201) 939-9127**
If owner of the generating facility differs from the generator, provide:

b. Generating Location: **Allied Signal, Inc** Name
d. Address: **101 Columbia Road**
Morristown NJ 07962
f. Phone No.: **(201) 939-9127**
i. County Service Code:

j. Description of Waste	BFI Waste Code	Qty. (%/V)	Shipped In:
1. **Friable Asbestos**	**20, Asbestos, 9, NA 2212,**	**100%**	✓ Rolloff
2. **Insulation**	**PG III**		___ Fiber Dru
3.			___ Truck
4.			___ Other
5.			

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 200.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 251 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: **Frank J. Leming**   Signature _____

Truck Weight (Tons) **7.94**

Shipment Date **12 1 89 7**

Section II — TRANSPORTER (Generator completes a-d; Transporter I completed e-g; Transporter II completed h-n)

TRANSPORTER I
a. Name: **Environmental Transport Group Inc.**
b. Address: **P.O. box 596**
Flanders, NJ 07836
c. Driver Name/Title (Print): **John Koronich**
d. Phone No.: **973-347-8200** e. Truck No. **230**
f. Vehicle License No./State: **AA366 F (NJ)**
Acknowledgement of Receipt of Materials.
g. Driver Signature _____   Shipment Date **12 1 89 7**

TRANSPORTER II
h. Name: _____
i. Address: _____
j. Driver Name/Title (Print/Type): _____
k. Phone No.: _____ l. Truck No.: _____
m. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials.
n. Driver Signature _____   Shipment Date _____

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: **Conestoga Landfill**
b. Physical Address: **Mineview Drive**
Morgantown, PA 19543

c. Name: **(610) 286-8844**
d. Mailing Address: **PO Box 128**
Morgantown, PA 19543

e. Discrepancy Indication Space:
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent _____   Signature X _____   Receipt Date **12 19 97**

Section IV — ASBESTOS (Generator completes a-d, f, g; Operator* completes e)

a. Operator's Name: **Marcor Remediation**
c. Operator's Address: **540 Trestle Place   Downingtown PA 19335-3459**
d. Special Handling Instructions and additional information: **Gloves & Respirator Minimum**

b. Operator's Phone No.: **(610) 269-3250**

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

e. Operator's Name & Title: **Frank J Leming**   Operator's Signature _____   Date **12 18 9**
Print/Type

f. Name and Address
of Responsible Agency: _____

g. ☑ Friable; ☐ Non-friable; ☐ Both **100** % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or be

ATTACHMENT H

SAMPLING AND ANALYSIS PLAN

QUANTA RESOURCES SITE

Prepared For:

ALLIEDSIGNAL, INC.
MORRISTOWN, NEW JERSEY

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.
290 ELWOOD DAVIS ROAD
LIVERPOOL, NEW YORK 13088

NOVEMBER 1996

TABLE OF CONTENTS

TABLE OF CONTENTS
(CONTINUED)

TABLE OF CONTENTS
(CONTINUED)

LIST OF FIGURES

LIST OF TABLES

ATTACHMENT I

HEALTH AND SAFETY PLAN

FOR A REMOVAL ACTION AND SITE INVESTIGATION

AT THE QRC EDGEWATER (RIVER ROAD) SITE

PREPARED FOR:

ALLIEDSIGNAL, INC.
MORRISTOWN, NEW JERSEY

PREPARED BY:

PARSONS ENGINEERING SCIENCE, INC.
290 ELWOOD DAVIS ROAD
LIVERPOOL, NEW YORK 13088

NOVEMBER 1996

Reviewed and Approved By:

	Name	Date
Project Manager	*Weier Xie*	11/22/96
Parsons ES H&S Officer	*Brian J. Powell*	11-21-96

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

LIST OF ATTACHMENTS

ATTACHMENT A AIR MONITORING EQUIPMENT CALIBRATION AND MAINTENANCE

ATTACHMENT B FORMS FOR HEALTH AND SAFETY-RELATED ACTIVITIES

ATTACHMENT C MATERIAL SAFETY DATA SHEETS

ATTACHMENT D STANDARD SAFE WORK PRACTICES

ATTACHMENT E DRILLING SAFETY GUIDE

ATTACHMENT F SUBCONTRACTOR FORMS

TABLE OF CONTENTS
(Continued)

PAGE

LIST OF FIGURES

LIST OF TABLES

ATTACHMENT J

QUALITY ASSURANCE / QUALITY CONTROL PLAN

QUANTA RESOURCES SITE

Prepared for:

ALLIEDSIGNAL, INC.
MORRISTOWN, NEW JERSEY

Prepared by:

PARSONS ENGINEERING SCIENCE, INC.
290 ELWOOD DAVIS ROAD, SUITE 312
LIVERPOOL, NEW YORK 13088

NOVEMBER 1996

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

TABLE OF CONTENTS
(Continued)

LIST OF FIGURES

LIST OF TABLES

ATTACHMENT K

REGULATORY FORMAT DATA PACKAGE

SAMPLING DATE MARCH 11, 1997

ALLIED SIGNAL, INC.

PROJECT: EDGEWATER, NEW JERSEY

PREPARED BY:

INDUSTRIAL ENVIRONMENTAL ANALYSTS (IEA)

(NY CERTIFICATION NUMBER 10997)

IEA JOB NO. 20970-71103

VOLUME I OF I

IEA
An Aquarion Company

APRIL 08, 1997

20970-71103
ALLIED SIGNAL, INC.
290 ELWOOD DAVIS ROAD
SUITE 312
LIVERPOOL , NY 13088

ATTENTION: WEIDONG XIA

The following samples were received for analysis by IEA-NJ (NY Cert.#10997). These samples were received on and labeled as follows:

IEA Sample No.:	Client ID:	Date Received	Date and Time Collected
71103001	SAMPLE1	03/11/97	03/11/97 12:35
71103002	SAMPLE2	03/11/97	03/11/97 12:50
71103003	SAMPLE3	03/11/97	03/11/97 13:05
71103004	SAMPLE4	03/11/97	03/11/97 13:10

DATA RELEASE AUTHORIZED BY: _Brian W. Wood_
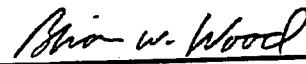
Brian Wood
Laboratory Manager

printed on recycled paper

TABLE OF CONTENTS

PAGE

VOLUME I

CHAIN OF CUSTODY

IEA OF NEW JERSEY
628 Route 10 Whippany, N.J. 07981
(201) 428-8181

FIELD BOOK: _____ Pg __1__ of __1__

① Client:	Allied Signal	
② Project Name/no.:	Edgewater, NJ 730684.06000	
③ Client Contact:	Waidong Xia - Parsons ES	
④ IEA Contact:	Mark Foschini	
⑤ TAT:	1wk, 2wk, 3wk, OTHER 25 DAY	
⑥ Proj. Type:	NJPDES, NPDES, ISRA, CLP, CERCLA,RCRA UST, ACO, MOA,OTHER _____	
⑦ Protocol:	CLP, SW846, EPA 600 DW, OTHER _____	
⑧ Reporting Type:	NJ Reg Format, NJ Reduced Format, CLP, Level II, Level I (Data Sum), Other _____	

 # OF CONTAINERS

⑭ Bill To: Allied Signal - Syracuse NY

PO#

⑮ ANALYSIS REQUIRED: PLM

For Lab Use Only

Job No. 79103
Quote No.
# of Coolers
Cooler Temp. (s)
Custody Seal # (s)
Date Due:

PM NON-CONFORMANCE

Preserved: ___ Temp: ___
Container: ___ Volume: ___
Broken: ___ Initials: ___
Holding Time: ___
Other: ___

Logged By: ___

DESCRIPTION

⑨ Client ID (10 CHAR)	⑩ Date	⑪ Time	⑫ Mtx	⑬	PLM						
S A M P L E 1	3-11-97	1235	MS	1	1						01
S A M P L E 2		1250		1	1						02
S A M P L E 3		1305		1	1						03
S A M P L E 4		1310		1	1						04

⑯ COMMENTS:(Please include hazards on site.)
Potential Asbestos Containing Materials

⑰	Print Name and Company	Signature	Custody Seal # (s)	Date/Time
Sampled By:	_____ PARSONS ES.	Paul D. Noriega		3/11/97 1707
Received By:	Greg Smith IEA	Greg Smith		3/11/97 1707
Relinquished By:				/
Received By:				/
Relinquished By:				/
Received By:				

Mtx = Matrix of Sample. (AI=Air, AQ=Aqueous, LE=Leachate, ML=Misc Liquid, MS=Misc Solids, OIL, SE=Sediment, SL=Sludge, SO=Soil)

(Copies: White and yellow copies should accompany samples to IEA. The pink copy should be retained by the client.) See reverse for directions.

IEA
An Aquarion Company

IEA SUBCONTRACTING REQUISITION FORM

PAGE _1_ OF _1_

PROJECT INFORMATION

1. P.O. NUMBER ●	2. VERBAL DUE DATE 3/28/97	3. FAX DUE DATE	4. HARDCOPY DUE DATE 3/28/97
INTERNAL PROJECT NUMBER 71103	6. SDG COMPLETE? ☐ YES ☐ NO	7. PENALTY JOB? ☐ YES ☐ NO	8. SDG #
REGULATORY METHODS SW 846	10. QC BILLABLE? ☐ YES ☐ NO	11. VTSR DATE	12. REQUIRED CERTIFICATIONS? IF YES, LIST
IEA PROJECT MANAGER Mark Foschini	16. TELEPHONE NO.	17. REPORTING LEVEL REQUIRED 1 2 3 4	18. REPORTING FORMAT? NJ Reg form	13. CERT. AGENCY	14. CATEGORY
PERCENT DISCOUNT	20. RUSH MULTIPLIER	21. DISKETTE REQUIRED? ☐ YES ☐ NO	22. DISKETTE FORMAT?

23. CLIENT SAMPLE ID	24. LAB ID	25. DATE AND TIME	26. MATRIX	27. PARAMETER/METHOD/PRES.	28. BOTTLE TYPE & NO.	29. NET PRICE
Sample 1	71103 001	3/11/97 1235	MS	Asbestos PLM	1 BAG	
Sample 2	002	1250				
Sample 3	003	1305				
Sample 4	004	1310				
●						

30. SAMPLES RELINQUISHED BY (SIGNATURE) Greg Smith	31. DATE AND TIME 3/12/97 1800	32. SAMPLES RECEIVED BY (SIGNATURE)	33. DATE AND TIME	34. REMARKS ON SAMPLE RECEIPT ☐ Bottle Intact ☐ Custody Seals ☐ Preserved ☐ Seals Intact ☐ Chilled ☐ See Remarks
SAMPLES RELINQUISHED BY (SIGNATURE)	DATE AND TIME	SAMPLES RECEIVED BY (SIGNATURE)	DATE AND TIME	REMARKS ON SAMPLE RECEIPT ☐ Bottle Intact ☐ Custody Seals ☐ Preserved ☐ Seals Intact ☐ Chilled ☐ See Remarks

35. SPECIAL INSTRUCTIONS?/REMARKS (ATTACH SEPARATE SHEET IF NECESSARY)

SHIPPING INSTRUCTIONS

36. SHIP TO IEA-MA	37. SHIP DATE 3/12/97
	(Circle One) Economy Standard (Priority 1) Saturday Delivery

REPORTING INSTRUCTIONS

38. BILL TO IEA-NJ	39. REPORT TO 40. TOTAL NUMBER OF COPIES _____ 41. USE FOR REPORTING? CLIENT OR LAB ID'S

APPROVALS

42. INITIATOR APPROVAL	DATE	44. SENDING LABORATORY
43. RECEIVING LAB APPROVAL	DATE	45. RECEIVING LABORATORY Camilo Sweeney 3/13/97

ORIGINAL

DOCUMENT # QAS01900.NET

IEA, Inc. - NEW JERSEY -
SAMPLE RECEIPT VERIFICATION FORM

JOB NUMBER : *71103*   CLIENT *Allied*   DATE RECEIVED : *3/11/97*

OF SAMPLES *4*   # OF COOLERS *1*
CUSTODY SEALS: PRESENT/ABSENT INTACT/ BROKEN   TEMPERATURE BLANK PRESENT: ☐YES ☑NO

COOLER TEMP/S ° C *4* _____ COOLER OUTSIDE 2- 6 ° C ____ PRESERVED/ICE/BLUE ICE/ NONE

CHAIN OF CUSTODY : PRESENT/ABSENT   PROPERLY SIGNED, DATED, TIME : ☑YES ☐ NO
SAMPLE TAGS : PRESENT/ABSENT RECEIVED BY: DRIVER ____ IF SHIPPED AIRBILL PRESENT ____# _____

COOLER RADIOACT. SCREEN BELOW 0.5uR/hr YES ____ NO ____ (INFORM SAFETY OFFICER IMMED.)
☑YES ☐NO SAMPLE BOTTLES INTACT
☑YES ☐NO PROPER CONTAINERS PER ANALYSIS USED
☑YES ☐NO SAMPLE LABELS INTACT
☑YES ☐NO LABELS COMPLETE AND LEGIBLE (ID, DATE,TIME,SIGNATURE,PRESERVATIVE)
☑YES ☐NO SAMPLES RECEIVED WITHIN HOLDING TIME
☑YES ☐NO SAMPLES PROPERLY PRESERVED
☐YES ☐NO NO BUBBLES PRESENT VOA WATER MATRIX   ☑NA
☑YES ☐NO SUFFICIENT SAMPLE VOLUME RECEIVED

_____ INTIAL _____ DATE - RUSH REPORT ISSUED BY   ☑NA
_____ INTIAL _____ DATE - pH ANALYSIS PERFORMED BY   ☑NA
_____ INTIAL _____ DATE - % MOISTURE PERFORMED BY   ☑NA
_____ INTIAL _____ DATE - SAMPLE COMPOSITE PERFORMED BY ☑NA

NOTE AND **ITEMIZE BY SAMPLE AFFECTED**, DISCREPANCIES AND NONCONFORMANCES FOUND: _
_____
_____
_____

PROJECT MANAGER INFORMED OF DISCREPANCIES : _____INTIALS _____ DATE ☑NA

SUBCONTRACTING OF ANALYSIS REQUIRED ☑YES ☐NO   SUB COC COMPLETED ☑YES ☐NO ☐NA
SUBCONTRACTED SAMPLES SHIPPED   ☑YES ☐NO CARRIER USED _____
                    FINAL INSPECTION

BOTTLES CORRECTLY LABELED   ☑YES ☐NO
INTERNAL CHAIN OF CUSTODY INITIATED   ☑YES ☐NO
ALL SIGNATURES AND DATES COMPLETE   ☑YES ☐NO

VERIFICATION FORM COMPLETE & ACCURATE: SUPERVISOR *[signature]* _____ DATE: *3/12/97*

CLIENT INFORMED OF DISCREPANCIES/NONCONFORMANCES BY PM _____DATE ____ TIME____
NAME CLIENT REPRESENTATIVE INFORMED _____ METHOD : PHONE ___ FAX ___

CORRECTIVE ACTION REQUESTED BY CLIENT: _____
_____
_____
_____

CORRECTIVE ACTION TAKEN: _____
_____
_____

PROJECT MANAGER APPROVED VERIFICATION FORM COMPLETE *[signature]* _____ DATE *3/7/97*
                    Mark Foschini

March 28, 1997

Mark Foschini
IEA - N.J.
628 Route 10
Whippany, NJ 07981

Dear Mark:

Please find enclosed our analysis for four (4) bulk samples, Billing Ref.: P.O. # 519, 71103, *IEA Job* #0071-122. Please note our updated report format. It displays the results in an expanded format and meets current EPA, AHERA, and NVLAP requirements.

Analyses were performed using standard optical microscopy and petrographic techniques. A representative portion of the bulk sample was placed on a glass slide, immersed and macerated in appropriate index oils. This was then examined under plane and fully polarized light on the petrographic microscope. The following features were used to identify unknown particles and fibers; morphology (shape), extinction angle, crystallographic orientation, index of refraction, birefringence, size, color, etc.

Analytical results (compositions and percentages) are listed on the bulk report form attached. For purpose of these analyses asbestos determination and identification is based on definitions as set forth in the U.S. EPA Environmental Monitoring Systems Laboratory TEST METHOD "Interim method for the Determination of asbestos in Bulk Insulation Samples",EPA 600/M4-82-020, NIST/NVLAP Lab #101005-0.

Polarized - light microscopy is not consistently reliable in detecting asbestos in floor tiles. Confirmation by Transmission Electron Microscopy (TEM) is recommended for negative floor tile samples and is <u>required</u> by NYELAP.

Should you have further questions, or need additional information, please feel free to contact me or Client Services any time.

Sincerely,

Ernest T. Dobi, Ph.D.
Mgr. Asbestos Services

Mark Bushey
PLM Analyst

Client: ALLIED SIGNAL INC.

Job No: 20970-71103

NONCONFORMANCE SUMMARY

MISCELLANEOUS PARAMETERS

The analysis for Asbestos was subcontracted to IEA, North Billerica, MA and is included as an Appendix.

APPENDIX

Bulk Asbestos Analysis- IEA, Inc.
149 Rangeway Road, N. Billerica, MA 01862

(EPA Method EPA-600/M4-82-20)*

Client: IEA-NJ
Project: 71103

Date: 03/27/97
IEA ID: 0071-122.01
Analyst: M BUSHEY

Sample Number: 1
Client Location:
Gross Appearance: Mixed Fibrous and Non-Fibrous
Color, Texture, etc.:

Non-Asbestos Fibers: 65 Percent Total Non-Asbestos Fiber

Fiber Type   Diagnostic Optical Property
Mineral Wool   Isotropic

Non-Fiber Matter: 20 Percent Non-Fiber Matter

Mineral Grains
Opaques/Paint Chips

Asbestos Fibers:	15 Percent Total Asbestos Fiber

Asbestos Lab Data	Chrysotile	Amosite
Percent:	10	5
Morphology:	Wavy	Straight
Color:	None	None
Pleochroism:	Non-pleochroic	Non-pleochroic
Extinction Angle:	P	P
Birefringence:	0.009	0.033
Sign of Elongation:	Positive	Positive
Index (Parallell):	1.553	1.703
Index (Perpendicular):	1.544	1.67
Immersion Media:	1.550HD 1.680	1.550HD 1.680
Other Features:		

Date: 03/27/97   Signed: _____

IEA, Inc. is accredited by the National Institute for Standards and Technology (formerly NBS), NVLAP (Lab 101005-0)
for asbestos analysis of bulk samples by Polarized Light Microscopy with Optical Dispersion Staining (PLM/DS).
* IEA also follows the EPA recomendation and uses Method EPA/600/R-93/116.

Accreditation in no way constitutes or implies product certification, approval, or endorsement by NIST. This report
relates only to the specific sample tested herein.

03/27/97, 11:40

C:\REPORTS\PLM\FORMS\ABF00101.MA

Bulk Asbestos Analysis- IEA, Inc.
149 Rangeway Road, N. Billerica, MA 01862

(EPA Method EPA-600/M4-82-20)*

Client: IEA-NJ
Project: 71103

Date: 03/27/97
IEA ID: 0071-122.02
Analyst: M BUSHEY

Sample Number: 2
Client Location:
Gross Appearance: Mixed Fibrous and Non-Fibrous
Color, Texture, etc.:

Non-Asbestos Fibers: 2 Percent Total Non-Asbestos Fiber

Fiber Type	Diagnostic Optical Property
Mineral Wool	Isotropic

Non-Fiber Matter: 73 Percent Non-Fiber Matter

Mineral Grains

Asbestos Fibers:		25 Percent Total Asbestos Fiber

Asbestos Lab Data	Amosite	Chrysotile
Percent:	15	10
Morphology:	Straight	Wavy
Color:	None	None
Pleochroism:	Non-pleochroic	Non-pleochroic
Extinction Angle:	P	P
Birefringence:	0.033	0.009
Sign of Elongation:	Positive	Positive
Index (Parallell):	1.703	1.553
Index (Perpendicular):	1.67	1.544
Immersion Media:	1.550HD 1.680	1.550HD 1.680
Other Features:		

Date: 03/27/97   Signed: _____

IEA, Inc. is accredited by the National Institute for Standards and Technology (formerly NBS), NVLAP (Lab 101005-0)
for asbestos analysis of bulk samples by Polarized Light Microscopy with Optical Dispersion Staining (PLM/DS).
* IEA also follows the EPA recomendation and uses Method EPA/600/R-93/116.

Accreditation in no way constitutes or implies product certification, approval, or endorsement by NIST. This report
relates only to the specific sample tested herein.

Bulk Asbestos Analysis- IEA, Inc.
149 Rangeway Road, N. Billerica, MA 01862

(EPA Method EPA-600/M4-82-20)*

Client: IEA-NJ
Project: 71103

Date: 03/27/97
IEA ID: 0071-122.03
Analyst: M BUSHEY

Sample Number: 3
Client Location:
Gross Appearance: Mixed Fibrous and Non-Fibrous
Color, Texture, etc.:

Non-Asbestos Fibers: None Detected

Non-Fiber Matter: 40 Percent Non-Fiber Matter

Mineral Grains
Opaques/Paint Chips

Asbestos Fibers: 60 Percent Total Asbestos Fiber

Asbestos Lab Data	Chrysotile
Percent:	60
Morphology:	Wavy
Color:	None
Pleochroism:	Non-pleochroic
Extinction Angle:	P
Birefringence:	0.009
Sign of Elongation:	Positive
Index (Parallell):	1.553
Index (Perpendicular):	1.544
Immersion Media:	1.550HD 1.680
Other Features:	

Date: 03/27/97   Signed: _Mark Bushey_

IEA, Inc. is accredited by the National Institute for Standards and Technology (formerly NBS), NVLAP (Lab 101005-0)
for asbestos analysis of bulk samples by Polarized Light Microscopy with Optical Dispersion Staining (PLM/DS).
* IEA also follows the EPA recomendation and uses Method EPA/600/R-93/116.

Accreditation in no way constitutes or implies product certification, approval, or endorsement by NIST. This report
relates only to the specific sample tested herein.

03/27/97, 11:48

C:\REPORTS\PLM\FORMS\ABF00101.MA

Bulk Asbestos Analysis- IEA, Inc.
149 Rangeway Road, N. Billerica, MA 01862

(EPA Method EPA-600/M4-82-20)*

Client: IEA-NJ
Project: 71103

Date: 03/27/97
IEA ID: 0071-122.04
Analyst: M BUSHEY

Sample Number: 4
Client Location:
Gross Appearance: Fibrous
Color, Texture, etc.:

Non-Asbestos Fibers: 95 Percent Total Non-Asbestos Fiber

Fiber Type	Diagnostic Optical Property
Mineral Wool	Isotropic

Non-Fiber Matter: 5 Percent Non-Fiber Matter

Mineral Grains

Asbestos Fibers:	None Detected

Date: 03/27/97   Signed: _____
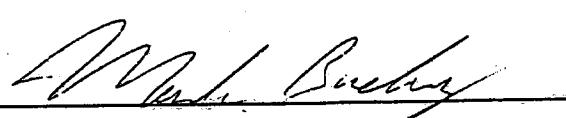
IEA, Inc. is accredited by the National Institute for Standards and Technology (formerly NBS), NVLAP (Lab 101005-0)
for asbestos analysis of bulk samples by Polarized Light Microscopy with Optical Dispersion Staining (PLM/DS).
* IEA also follows the EPA recomendation and uses Method EPA/600/R-93/116.

Accreditation in no way constitutes or implies product certification, approval, or endorsement by NIST. This report
relates only to the specific sample tested herein.

ATTACHMENT L

REGULATORY FORMAT DATA PACKAGE

SAMPLING DATE MARCH 25, 1997

ALLIED SIGNAL, INC.

PROJECT: EDGEWATER, NEW JERSEY

PREPARED BY:

INDUSTRIAL ENVIRONMENTAL ANALYSTS (IEA)

(NY CERTIFICATION NUMBER 10997)

IEA JOB NO. 20970-71102

VOLUME I OF I

IEA
An Aquarion Company

APRIL 07, 1997

20970-71102
ALLIED SIGNAL INC.
290 ELWOOD DAVIS ROAD
SUITE 312
LIVERPOOL , NY 13088

ATTENTION: WEIDONG XIA

The following samples were received for analysis by IEA-NJ (NY
Cert.#10997). These samples were received on and labeled as follows:

IEA Sample No.:	Client ID:	Date Received	Date and Time Collected
71102001	SS01	03/11/97	03/11/97 10:50
71102002	SS01FB	03/11/97	03/11/97 11:00
71102003	SS02	03/11/97	03/11/97 11:35
71102004	SS06DUP	03/11/97	03/11/97 11:35
71102005	SS03	03/11/97	03/11/97 11:05
71102006	SS03 MS	03/11/97	03/11/97 11:05
71102007	SS03 MSD	03/11/97	03/11/97 11:05
71102008	SS04	03/11/97	03/11/97 11:45
71102009	SS05	03/11/97	03/11/97 12:00

DATA RELEASE AUTHORIZED BY: _____

Brian Wood
Laboratory Manager

TABLE OF CONTENTS

CHAIN OF CUSTODY

628 Route 10 Whippany, N.J. 07981
(201) 428-8181

FIELD BOOK: _____ Pg _1_ of _1_

(1) Client: **ALLIED SIGNAL**

(2) Project Name/no.: **730684.06000**

(3) Client Contact: **PAUL NORIAN / W. XIA**

(4) IEA Contact: **MARK FOSCHINI**

(5) TAT: 1wk, 2wk, 3wk, OTHER _____

(6) Proj. Type: NJPDES, NPDES, ISRA, CLP, CERCLA, RCRA
UST, ACO, MOA, OTHER _____

(7) Protocol: CLP, SW846, EPA 600
DW, OTHER

(8) Reporting Type: NJ Reg Format, NJ Reduced Format,
CLP, Level II, Level I (Data Sum),
Other _____

 # OF CONTAINERS

(14) Bill To: **ALLIED SIGNAL - SYRACUSE NY**

PO#

(15) ANALYSIS REQUIRED

For Lab Use Only

Job No. **71102**
Quote No.
# of Coolers)
Cooler Temp: (s)
Custody Seal #'(s)
Date Due:

LAB ID

PM NON-CONFORMANCE

Preserved: ____ Temp.____
Container: ____ Volume:____
Broken: ____ Initials:____
Holding Time:____
Other:____

Logged By:

(9) Client ID (10 CHAR)	(10) Date	(11) Time	(12) Mtx	(13)	TCLP BENZENE 8240 B	PHC - GRO 8015	PCB IGN ORO 3010/6010 TCLP AS CR PB	PCB 6080+PY. PHC 8015 ORO/GRO PY.	GRO	PCB 8080A		DESCRIPTION
SS01	3 11 97	1050	SOIL	3	1		1	1			01	
SS01 FB	3 11 97	1100	WATER	6			2 N	2	2	2	02	
SS02		1135	SOIL	3	1		1	1			03	
SS02 DUP		1135	SOIL	2			1	1			04	
SS03 BY		1105	SOIL	3	1		1	1			05	
SS03 MS		1105	SOIL	2	1 N		1	1			06	
SS03 MSD		1105	SOIL	2			1	1			07	
SS04		1145	SOIL	3	1		1	1			08	
SS05	3 11 97	1200	SOIL	3	2		1	1			09	
				27								

(16) COMMENTS: (Please include hazards on site.)

(17)

	Print Name and Company	Signature	Custody Seal # (s)	Date/Time
Sampled By:	R.W. YOUNGMAN 3/11/97	RW Young		/
Received By:				3/11/97 1655
Relinquished By:	3/11/97			3/11/97 @ 1700
Received By:	Greg Smith IEA	Greg Smith		3/11/97 1700
Relinquished By:				/
Received By:				/

Mtx = Matrix of Sample. (AI=Air, AQ=Aqueous, LE=Leachate, ML=Misc Liquid, MS=Misc Solids, OIL, SE=Sediment, SL=Sludge, SO=Soil)

(Copies: White and yellow copies should accompany samples to IEA. The pink copy should be retained by the client.) See reverse for directions.

IEA, Inc. - NEW JERSEY
SAMPLE RECEIPT VERIFICATION FORM

JOB NUMBER : _7110 2_ CLIENT _Allied_ DATE RECEIVED : _3/11/97_

OF SAMPLES _9_ # OF COOLERS _1_
CUSTODY SEALS: (PRESENT)/ABSENT (INTACT)/ BROKEN TEMPERATURE BLANK PRESENT: ☑YES ☐NO

COOLER TEMP/S ° C _4_ ___ ___ ___ COOLER OUTSIDE 2- 6 ° C ____ PRESERVED: (ICE)/BLUE ICE/ NONE

CHAIN OF CUSTODY (PRESENT)/ABSENT PROPERLY SIGNED, DATED, TIME : ☑YES ☐NO
SAMPLE TAGS : (PRESENT)/ABSENT RECEIVED BY: DRIVER ___/ IF SHIPPED AIRBILL PRESENT ___# _____

COOLER RADIOACT. SCREEN BELOW 0.5uR/hr YES ___/ NO ___ (INFORM SAFETY OFFICER IMMED.)
☑YES ☐NO SAMPLE BOTTLES INTACT
☐YES ☐NO PROPER CONTAINERS PER ANALYSIS USED
☐YES ☐NO SAMPLE LABELS INTACT
☑YES ☐NO LABELS COMPLETE AND LEGIBLE (ID, DATE,TIME,SIGNATURE,PRESERVATIVE)
☑YES ☐NO SAMPLES RECEIVED WITHIN HOLDING TIME
☑YES ☐NO SAMPLES PROPERLY PRESERVED
☑YES ☐NO NO BUBBLES PRESENT VOA WATER MATRIX ☐NA
☐YES ☐NO SUFFICIENT SAMPLE VOLUME RECEIVED

_____ INTIAL _____ DATE - RUSH REPORT ISSUED BY ☑NA
_____ INTIAL _____ DATE - pH ANALYSIS PERFORMED BY ☑NA
_AB_ INTIAL _3/11/97_ DATE - % MOISTURE PERFORMED BY ☐NA
_____ INTIAL _____ DATE - SAMPLE COMPOSITE PERFORMED BY ☑NA

NOTE AND ITEMIZE BY SAMPLE AFFECTED, DISCREPANCIES AND NONCONFORMANCES FOUND: _
_____
_____
_____

PROJECT MANAGER INFORMED OF DISCREPANCIES : _____INTIALS _____ DATE ☑NA

SUBCONTRACTING OF ANALYSIS REQUIRED ☐YES ☐NO SUB COC COMPLETED ☐YES ☐NO ☑NA
SUBCONTRACTED SAMPLES SHIPPED ☐YES ☐NO CARRIER USED _____
FINAL INSPECTION

BOTTLES CORRECTLY LABELED ☑YES ☐NO
INTERNAL CHAIN OF CUSTODY INITIATED ☑YES ☐NO
ALL SIGNATURES AND DATES COMPLETE ☑YES ☐NO

VERIFICATION FORM COMPLETE & ACCURATE: SUPERVISOR _(signature)_ DATE: _3/14/97_

CLIENT INFORMED OF DISCREPANCIES/NONCONFORMANCES BY PM _____ DATE ____ TIME ___
NAME CLIENT REPRESENTATIVE INFORMED _____ METHOD : PHONE ___ FAX ___

CORRECTIVE ACTION REQUESTED BY CLIENT: _____
_____
_____
_____

CORRECTIVE ACTION TAKEN: _____
_____

PROJECT MANAGER APPROVED VERIFICATION FORM COMPLETE _L. Schiobael_ DATE _3-12-97_

IEA, Inc. - NEW JERSEY

PAGE _1_ of ___

SAMPLE PRESERVATION VERIFICATION LOG
SAMPLE CONTROL DEPARTMENT

JOB NUMBER : _71102_   CLIENT : _Allied_   DATE RECEIVED : _3/11/97_

OF SAMPLES : _9_

If pH is not within acceptable range, document actual pH in OTHER column

VOA			METALS			PHC			OIL & GREASE		
ID #	pH <2	OTHER	ID #	pH <2	OTHER	ID #	pH <2	OTHER	ID #	pH <2	OTHER
2	✓		—	—	—	2	✓	6Ro	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

CYANIDE			H2SO4 PRES. W.C.			H2SO4 PRES. W.C.			OTHER PRESERVATIVE		
ID #	pH >12	OTHER	ID #	pH <2	OTHER	ID #	pH <2	OTHER	ID #	pH ___	OTHER
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

COMMENTS: NOTE BY SAMPLE ID NUMBER - NON CONFORMANCES IN pH PRESERVATION:

_____

_____

pH PRESERVATION VERIFICATION PERFORMED BY : _SCHARTERS_   DATE _3/11/97_

PROJECT MANAGER INFORMED OF NON CONFORMANCE : ___ YES INITIAL _____

IEA, Inc.
ZHE Preparation Logbook
Inorganics Department
Batch # 9779

Sample #														
							1	3-31-97 450	3-31-97 1130	1	3-24-97 930	Lf	3	20°C (3 RPM)
B395	NA	NA	NA	500 (3-31-97)	NA	NA	1						5	
71102 001	25	100											10	
003													12	
005													11	
006													9	
007													8	
008													2	
009									John Kennewey 3/24/97					4	
							1	John Kenney 3-24-97 450	John Kennewey 3-25-97 800	1	3-25-97 930	Lf	10	20°C 3 RPM
B396	NA	NA	NA	500	NA	NA	1						9	
71148 001	25	100											8	
71149 001													2	
71150 021								John Kennewey 3-25-97 400	John Kennewey 800	John Kennewey 3-25-97 1000	Lf		9	20°C 3 RPM
B397	NA	NA	NA	500	NA	NA	1			1			10	
71297 001	25	100											12	
002													5	
003													11	
004								John Kennewey John Kennewey 3/27/97						

Secondary Review By:_____ Date:_____

Page 52 of 150
IEA Logbook# ME6

Form# MEF00700.NJ

IEA, Inc.
~~ZHE~~ Preparation Logbook
Inorganics Department
Batch # 9798

Sample #	Init. Sample Wt	Leach & Solids	Solids Filtrate	Init Ext Fluid	Init pH	2nd pH	Ext Fluid #	Date/Time On	Date/Time Off	Final pH	# of Rinses & pH's	Date/Time Filtered	Initial	Codes	Comments
								3-25-97 800	9-26-97 9:00		1	3-26-97 9:30	LT	Met'd	20°C 31RP/25
B688	NA	NA	NA	2000	NA	NA	1								
71102⁰⁰¹	100	100			7.14	1.32									
003					7.35	1.30									
005					7.46	1.41									ms
006					7.55	1.45									msd
007					7.85	1.46									
008					7.06	1.30									
009					7.11	1.20			John Kenney	John Kenney 3/24/97						
				2000			1	3-25-97 800	3-26-97 800		1	3-26-97 9:30	LT	Full Metal	20°C (31RPM)
B689	NA	NA	NA	NA	NA	NA	2							Full	
B690							1							Metal	
71033⁰⁰¹	100	100			7.49	1.32	2								
71259⁰⁰¹					11.3	10.1									
71260⁰⁰¹					11.5	10.0									
002					10.9	9.59									
003					10.4	10.0									
004					10.8	9.32									
71271⁰⁰¹					7.30	1.22	1								
71273⁰⁰³					6.89	1.30			John Kenney	John Kenney 3/26/97						

Secondary Review By:_____ Date:_____

Form# MEF00700.NJ

000005

IEA

An Aquarion Company

IEA, INC. - NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
VOLATILES

JOB/CASE NUMBER: 11102   Sample IDs: 001 003 005 - 009

Relinquished By: _____ Date/Time: 3·24·97 1030

Received By: S·K. (S. Kinsey) Date/Time: 3-24-97 10:30

I confirm that I have performed the analysis below following SOP guidelines:

ANALYST RETRIEVAL:

Returned
Date (Soil)

Sample No(s)	Analyst Signature	Date	
001, 003 005 -009	S·K (S. Kinsey)	3-25-97	3-25-97

ANALYST RETRIEVAL: REANALYSIS:

Sample No(s)	Analyst Signature	Date	
006, 007, 009	S·K (S. Kinsey)	3-26-92	3-26-97

PERCENT SOLIDS:

Sample No(s)	Analyst Signature	Date	

I confirm that I have reviewed all associated data for this job:

REVIEWED BY: Signature   Date

S. Kinsey   3/26/97

Data Release Authorized By:

(M. Akiens)   3/26/97

AUTHORIZATION: Group Leader/Lab Manager   Date

Monroe,
Connecticut
203·261·4458

Sunrise,
Florida
305·846·1730

Schaumburg,
Illinois
708·705·0740

N. Billerica,
Massachusetts
617·272·5212

Research Triangle Park,
North Carolina
919·677·0090

printed on recycled paper

IEA
An Aquarion Company

IEA, INC. – NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
GC

JOB/CASE NUMBER: __7110?__

MATRIX: (WATER)   SOIL   TCLP/EP   OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis: Pest/PCB (Circle which apply)

	Analyst Signature	Date
002	_Harold D. Frost_ _Gordon D. Scott_	3.14.97

Preparation: Pest/PCB (Circle which apply)   Consumed

| 002 | _John Carlone_ | 3.13.97 | |

Analysis: Herbicides

Preparation: Herbicides

Analysis: Other

Preparation: Other

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _____ _Claus Hauptvogel_   __04/02/97__
                Group Leader/Lab Manager   Date

IEA
An Aquarion Company

IEA, INC. – NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
GC

JOB/CASE NUMBER: _71102_

MATRIX: WATER   (SOIL)   TCLP/EP   OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis: Pest/PCB (Circle which apply)

	Analyst Signature	Date
001- 007		3.18.97
	Gordon D. Scott	

Preparation: Pest/PCB (Circle which apply)   Consumed

| 001-009 | John Online | 3.14.97 |
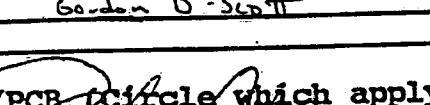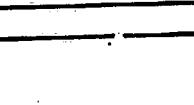
Analysis: Herbicides

Preparation: Herbicides

Analysis: Other

Preparation: Other

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _____ 04/02/97   __04/02/97__
Group Leader/Lab Manager   Date

IEA
An Aquarion Company

INTERNAL CHAIN OF CUSTODY CHRONICLE - METALS

Job/Case: 71102   001-003, 005-009

Relinquished By: _Sqr-Q64 LISA G4i_   Date/Time: 3-24-97 1030

Received By: _Tom J. Mata / T. NADLAN_   Date/Time: 3-24-97 1030

Preparation: ICP Sample Number	Analyst	Date/Time	Returned to Storage
001, 003, 005-009	McGeary M. Geany	3-24-97 1200	3-24-97 1700

Analysis: ICP Sample Number	Analyst	Date/Time	Returned to Storage
001, 003, 005-009	McGeary M. Geany	3/26/97 0830	3/26/97 1700

Preparation: Furnace Sample Number	Analyst	Date/Time	Returned to Storage

Analysis: Furnace Sample Number	Analyst	Date/Time	Returned to Storage

Preparation/Analysis: Mercury Sample Number	Analyst	Date/Time	Returned to Storage

I confirm that I have reviewed all associated data and authorize the release of this job:

Group Leader/Lab Manager: _Tom J. Mata / T. NADLAN_   Date: 3/31/97

IEA
An Aquarion Company

IEA, INC. — NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
<u>GC</u>

JOB/CASE NUMBER: _____ 71/02 _____

MATRIX: (WATER)   SOIL   TCLP/EP   OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis: ~~Pest/PCB~~ DLO Analysis (Circle which apply)

	Analyst/Signature	Date
002	_Cinul_ Claus Hoffman	03/25/97

Preparation: Pest/PCB (Circle which apply)   Consumed

Analysis: Herbicides

Preparation: Herbicides

Analysis: Other

Preparation: (Other) DLO
002   _John Carloe_ J. CARLONE   3.18.97

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _____   04/04/97
               Group Leader/Lab Manager   Date

IEA
An Aquarion Company

IEA, INC. — NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
GC

JOB/CASE NUMBER: ___7110 2___

MATRIX: WATER   (SOIL)   TCLP/EP   OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis: Pest/PCB (Circle which apply)

	Analyst Signature	Date

Preparation: Pest/PCB (Circle which apply)

Consumed

Analysis: Herbicides

Preparation: Herbicides

Analysis: (Other Pro)   _Ottmar_ CLAUS HERRMANN   03/31/97

001, 003-009

Preparation: (Other) ORO   _John Carlone_   3·25·97

001; 003-009   JOHN CARLONE

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _Ottmar CLAUS HERRMANN_   04/04/97
                Group Leader/Lab Manager   Date

IEA
An Aquarion Company

IEA, INC. - NEW JERSEY

INTERNAL CHAIN OF CUSTODY CHRONICLE

VOLATILES

JOB/CASE NUMBER: _____71102_____

I confirm that I have performed the analysis below following the
SOP guidelines: GRO

ANALYSIS:

Sample No(s)	Analyst Signature	Date	Consumed
002	Clashzimm	02/16/97	
02/003-009	Clushzimm	02/25/97	

REANALYSIS:

Percent Solids

Sample No(s)	Analyst Signature	Date

I confirm that I have reviewed all associated data for this job:

REVIEWED BY: Signature _____ Date 04/04/97

Data Release Authorized By:

AUTHORIZATION: _____ 4/7/97
Group Leader   Date

IEA
An Aquarion Company

IEA, INC. - NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
Wet Chem

JOB/CASE NUMBER: _____71102_____

MATRIX: WATER (SOIL) TCLP/EP OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis	Sample #'s	Analyst Signature	Date
IGN	001.003.005 007.009 1F.601	Veronica Florence	3.18.97

Consumed

Preparation:

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _John Kennewey_   4/2/97

John Kennewey

IEA
An Aquarion Company

IEA, INC. - NEW JERSEY
INTERNAL CHAIN OF CUSTODY CHRONICLE
Wet Chem

JOB/CASE NUMBER: ___71102___

MATRIX: WATER   (SOIL)   TCLP/EP   OTHER: _____

I confirm that I have performed the analysis below following SOP guidelines:

Analysis	Sample #'s	Analyst Signature	Date
IGN	002,003,005,007,009 1F,6,71	Verwance JFlorence	3-18-97

Preparation: Consumed

I confirm that I have reviewed all associated data and authorize the release of this job:

AUTHORIZATION: _John Kennewey_   4/2/97

John Kennewey

METHODOLOGY SUMMARY

VOLATILE ORGANICS

EPA SW846 Method 8260A is used for the analysis of Volatile Organics. Helium is bubbled through a sample contained in a specifically designed purging chamber. The purgeables are efficiently transferred from the sample to the vapor phase. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and backflushed with helium to desorb the purgeables onto a gas chromatographic column. The gas chromatograph is temperature programmed to separate the purgeables which are then detected with a mass spectrometer. The holding time for aqueous samples is fourteen (14) days from the date of collection, providing that the samples are preserved to pH <2 with HCl (seven (7) days otherwise). The holding time for soil samples is also fourteen (14) days from collection.

PCB - WATER

EPA Methods 3510/8080A are used for the extraction analysis of PCBs. A measured volume of sample is solvent extracted with methylene chloride. The methylene chloride extract is filtered through sodium sulfate, exchanged to hexane, concentrated and treated with sulfuric acid to remove interferences, if neccesary. The extract is separated by gas chromatography and the compounds are measured using an electron capture detector.

PCB - SOIL

The analysis of PCBs is performed by EPA Method 3550/8080A. A 30 gram sample is sonicated three times with a 1:1 mixture of acetone and methylene chloride. The extracts are concentrated, treated with sulfuric acid, and exchanged to Hexane. The extract is then analyzed by gas chromatography with electron capture detector on two different GC columns.

METALS

Metals analysis is based on SW846. Arsenic, selenium, thallium and lead maybe analyzed by furnace AA with Zeeman background correction. Mercury is analyzed by cold vapor technique. All other metals are analyzed by Inductively Coupled Argon Plasma emission spectroscopy (if the ICP61E Trace is used, Arsenic, Selenium, Thallium and Lead can be analyzed by ICP). Samples for ICP analysis are digested with hydrochloric and nitric acids. Samples for furnace analysis are digested with nitric acid. Samples for mercury analysis are digested with potassium permanganate and nitric acid. The holding time for mercury is twenty-six (26) days from collection. The holding time for all other metals is six (6) months.

PETROLEUM HYDROCARBONS BY GC - Modified Method 8015

A 30 gram or 1 liter aliquot of the sample is extracted with Methylene chloride and concentrated to 1.0 ml. The extract is analyzed by GC/FID and the distillation range and chromatographic pattern is matched with that of the petroleum hydrocarbon standards utilized for this method. Instrument calibration is performed by analyzing a five point curve for Varsol, Kerosene and #2 Fuel Oil. Non-routine compounds such as #4 and #6 Fuel Oils are calculated using single-point calibrations.

For the gasoline range analysis, a 5.0 ml or 5.0 gram (with 5 ml of lab reagent water added) aliquot of the sample is purged on a liquid sample concentrator and analyzed by GC/FID. The distillation range and chromatographic pattern is quantitated by comparison to the gasoline standard.

IGNITABILITY

The determination of Ignitability is performed by Method 1010 from SW846. The method uses the Pensky-Martens Closed-Cup Tester to determine the flash point. A flame is directed into the cup at regular intervals with simultaneous interruption of stirring. The flash point is the lowest temperature at which application of the flame ignites the vapor above the sample.

Client: ALLIED SIGNAL, INCORPORATED

Job No: 20970-71102

NONCONFORMANCE SUMMARY

VOLATILES

No problems were encountered.

PCBs

The confirmation column SP2100 is used for retention time verification and pattern recognition only, not quantitation.

Due to the Aroclor 1242 detected in the unspiked sample the spike recoveries for Aroclor 1016 exceeded QC criteria. The results of the blank spike met criteria.

METALS

No problems were encountered.

PETROLEUM HYDROCARBONS BY GC

DIESEL RANGE ORGANICS

All soil samples were analyzed with dilutions due to the concentration of target compounds.

GASOLINE RANGE ORGANICS

No problems were encountered.

MISCELLANEOUS PARAMETERS

No problems were encountered.

IEA
An Aquarion Company

ORGANICS ANALYSIS
DATA AND SAMPLE QUALIFIERS

DATA QUALIFIERS:

U - Indicates that the compound was analyzed for but not detected.

J - This qualifier indicates an estimated concentration. This qualifier is used (1) when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL or PQL but greater than zero, and (3) when the retention time data indicate the presence of a compound that meets the pesticide/Aroclor identification criteria, and the result is less than the CRQL or PQL but greater than zero.

B - This qualifier is used when the analyte is found in a method blank as well as the sample. It indicates possible sample contamination and warns the user to use caution when applying the results of this analyte.

E - Exceeds calibration curve

A - Indicates that a tentatively identified compound is a suspected Aldol-condensation product.

N - Indicates presumptive evidence of a compound. This qualifier is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all tentatively identified compound results. For generic classification of a tentatively identified compound, such as chlorinated hydrocarbon, the N code is not used.

D - This qualifier identifies all compounds identified in an analysis at a secondary dilution factor.

P - Indicates that the quantitative results from the two GC columns differed by more than 25 percent.

SAMPLE QUALIFIERS:

DL - Indicates that the analysis was performed at a secondary dilution.

RE - Rerun - Indicates that the analysis is a reinjection or a reextraction and reanalysis, usually due to a failed QC element in the initial analysis.

PEST/PCB SURROGATE RECOVERY

ab Name: IEA-NJ_____   Batch: WG9617_____

Job Number: 71102_____

	Client ID	TCX	#	DBC	#
01	WG9617	76		56	
02	SS01FB	81		50	
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

ADVISORY
QC LIMITS
(60 - 150)

TCX = Tetrachloro-m-xylene

DBC = Dibutylchlorendate   (24 - 154)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

SOIL PEST/PCB SURROGATE RECOVERY

a_ _ame: IEA-NJ____   Batch:WG9640____

Job Number: 71102____

	Client ID	TCX	#	DBC	#
01	WG9640	85		63	
02	MS w69640 bs	81		81	
03	SS01	89		28	
04	SS02	83		54	
05	SS06DUP	103		82	
06	SS04	108		169	*
07	SS05	78		133	
08	SS03	103		59	
09	SS03 MSMS	97		48	
10	SS03 MSDMSD	102		47	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

ADVISORY
QC LIMITS

TCX = Tetrachloro-m-xylene   (60 - 150)

DBC = Dibutylchlorendate   (20 - 150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

PESTICIDE/PCB METHOD BLANK SUMMARY

Lab Name: IEA/NJ   Batch: WG9617

Job No.: 71102

Lab sample ID: WG9617METHOD   Lab File ID: D2B44BN 041

Matrix:(soil/water) WATER   Extraction:(SepF/Cont/Sonc)SEPF

Level: (Low/Med) ____   Date Extracted: 03/13/97

Date Analyzed (1): 03/15/97   Date Analyzed (2): 03/15/97

Time Analyzed (1): 0236   Time Analyzed (2): 0319

Instrument ID (1): HP58902B   Instrument ID (2): HP58902A

GC Column (1):1.5%SP2250   GC Column (2):3.0%SP2100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SS01FB	71102002	03/15/97	03/15/97
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

page 1 of 1   FORM IV PEST   3/90

PESTICIDE/PCB METHOD BLANK SUMMARY

Lab Name: <u>IEA/NJ</u>   Batch: <u>WG9640</u>

Job No.: <u>71102</u>

Lab sample ID: <u>WG9640METHOD</u>   Lab File ID: <u>D2B44BQ 004</u>

Matrix:(soil/water) <u>SOIL</u>   Extraction:(SepF/Cont/Sonc)<u>SONC</u>

Level: (Low/Med) ____   Date Extracted: <u>03/14/97</u>

Date Analyzed (1): <u>03/18/97</u>   Date Analyzed (2):   <u>03/18/97</u>

Time Analyzed (1): <u>1927</u>   Time Analyzed (2):   <u>2009</u>

Instrument ID (1): <u>HP58902B</u>   Instrument ID (2):   <u>HP58902A</u>

GC Column (1):<u>1.5%SP2250</u>   GC Column (2):<u>3.0%SP2100</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	MS WG9640 BS	WG9640BSMS	03/19/97	03/19/97
02	SS01	71102001	03/19/97	03/19/97
03	SS02	71102003	03/19/97	03/19/97
04	SS06DUP	71102004	03/19/97	03/19/97
05	SS04	71102008	03/19/97	03/19/97
06	SS05	71102009	03/19/97	03/19/97
07	SS03	71102005	03/19/97	03/19/97
08	SS03 MSMS	71102006MS	03/19/97	03/19/97
09	SS03 MSDMSD	71102007MSD	03/19/97	03/19/97
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

page <u>1</u> of <u>1</u>

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: __IEA/NJ__ Batch: __WG9640__

Job No. : __71102__

Matrix Spike - Sample No.: __SS03 MS__ Level: (low/med) __LOW__

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
PCB-1016	480	0	2300	479 ↓	-
PCB-1260	480	260	580	67	-

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
PCB-1016	480	3100	646 ↓	30		-
PCB-1260	480	730	98	38		-

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC Limits

RPD: _____ out of _____ outside Limits
Spike Recovery: _____ out of _____ outside limits

COMMENTS: _____

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: IEA/NJ _____   Batch: WG9640 _____

Job No. : 71102 _____ .

Matrix Spike - Sample No.: W69640 BS ____ Level: (low/med) LOW _____

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC	#	QC LIMITS REC.
PCB-1016	330	0	330	100		-
PCB-1260	330	0	370	112		-

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC Limits

RPD: _____ out of _____ outside Limits
Spike Recovery: _____ out of _____ outside limits

COMMENTS: _____

_____

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: __IEA-NJ__

Job No.: __71102__   Sequence: __S2B44I__

Instrument ID: __HP58902B__   GC Column ID: __1.5%SP2250/1.95%SP__

Dates of Analysis: __11/19/96__ to __11/20/96__

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR1221L1	AR1221L1	11/19/96	07:23	1.71	28.09
AR1221L2	AR1221L2	11/19/96	08:07	0.00	0.04
AR1221L3	AR1221L3	11/19/96	08:50	0.58	0.04
AR1221L4	AR1221L4	11/19/96	09:32	2.34	0.07
AR1221L5	AR1221L5	11/19/96	10:15	0.58	0.18
AR1232L1	AR1232L1	11/19/96	10:57	0.00	0.07
AR1232L2	AR1232L2	11/19/96	11:40	0.00	0.14
AR1232L3	AR1232L3	11/19/96	12:25	0.58	0.21
AR1232L4	AR1232L4	11/19/96	13:08	0.58	0.18
AR1232L5	AR1232L5	11/19/96	13:50	0.58	0.11
AR1242L1	AR1242L1	11/19/96	14:33	0.58	0.14
AR1242L2	AR1242L2	11/19/96	15:15	0.58	0.00
AR1242L3	AR1242L3	11/19/96	15:59	0.58	0.04
AR1242L4	AR1242L4	11/19/96	16:42	0.58	0.11
AR1242L5	AR1242L5	11/19/96	17:24	0.00	0.07
AR1248L1	AR1248L1	11/19/96	18:07	0.00	0.04
AR1248L2	AR1248L2	11/19/96	18:50	0.00	0.07
AR1248L3	AR1248L3	11/19/96	19:32	0.00	0.04
AR1248L4	AR1248L4	11/19/96	20:17	0.58	0.04
AR1248L5	AR1248L5	11/19/96	21:00	0.58	0.04
AR1254L1	AR1254L1	11/19/96	21:42	0.58	0.04
AR1254L2	AR1254L2	11/19/96	22:25	0.58	0.00
AR1254L3	AR1254L3	11/19/96	23:07	1.17	0.00
AR1254L4	AR1254L4	11/19/96	23:50	0.00	0.07
AR1254L5	AR1254L5	11/20/96	00:32	1.17	0.00
AR1660L1	AR1660L1	11/20/96	01:14	0.58	0.07
AR1660L2	AR1660L2	11/20/96	01:57	0.58	0.04
AR1660L3	AR1660L3	11/20/96	02:39	1.17	0.00
AR1660L4	AR1660L4	11/20/96	03:21	0.58	0.07
AR1660L5	AR1660L5	11/20/96	04:04	0.58	0.18
TOXL1	TOXL1	11/20/96	04:52	0.58	0.07
TOXL2	TOXL2	11/20/96	05:35	0.58	0.11
TOXL3	TOXL3	11/20/96	06:17	0.58	0.04
TOXL4	TOXL4	11/20/96	06:59	0.00	0.00
TOXL5	TOXL5	11/20/96	07:50	0.00	0.00

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: IEA-NJ

Job No.: 71102   Sequence: S2B44I

Instrument ID: HP58902B   GC Column ID: 1.5%SP2250/1.95%SP

Dates of Analysis: 11/19/96 to 11/20/96

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
CHLORL1	CHLORL1	11/20/96	08:37	1.75	0.04
CHLORL2	CHLORL2	11/20/96	09:20	0.58	0.07
CHLORL3	CHLORL3	11/20/96	10:02	0.00	0.00
CHLORL4	CHLORL4	11/20/96	10:50	0.58	0.00
CHLORL5	CHLORL5	11/20/96	11:38	0.58	0.07
INDAL1	INDAL1	11/20/96	12:20	0.58	0.04
INDAL2	INDAL2	11/20/96	13:41	0.00	0.11
INDAL3	INDAL3	11/20/96	14:29	0.00	0.00
INDAL4	INDAL4	11/20/96	15:11	0.00	0.04
INDAL5	INDAL5	11/20/96	15:54	0.00	0.00
INDBL5	INDBL5	11/20/96	16:36	0.00	0.68
INDBL4	INDBL4	11/20/96	17:18	0.58	0.60
INDBL3	INDBL3	11/20/96	18:01	0.00	0.64
INDBL2	INDBL2	11/20/96	18:44	0.00	0.68
INDBL1	INDBL1	11/20/96	19:26	0.00	0.68

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: IEA-NJ

Job No.: 71102   Sequence: S2B44BM

Instrument ID: HP58902B   GC Column ID: 1.5%SP2250/1.95%SP

Dates of Analysis: 03/12/97 to 03/12/97

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
INDAL1	INDAL1	03/12/97	16:20	1.66	27.01
INDAL2	INDAL2	03/12/97	17:03	0.60	0.15
INDAL3	INDAL3	03/12/97	17:49	0.60	0.07
INDAL4	INDAL4	03/12/97	18:34	0.60	0.04
INDAL5	INDAL5	03/12/97	19:16	0.60	0.04
INDBL1	INDBL1	03/12/97	19:58	0.60	0.15
INDBL2	INDBL2	03/12/97	20:41	0.00	0.22
INDBL3	INDBL3	03/12/97	21:23	0.60	0.30
INDBL4	INDBL4	03/12/97	22:06	0.60	0.22
INDBL5	INDBL5	03/12/97	22:48	0.00	0.22

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: <u>IEA-NJ</u>

Job No.: <u>71102</u>   Sequence: <u>S2B44BN</u>

Instrument ID: <u>HP58902B</u>   GC Column ID: <u>1.5%SP2250/1.95%SP</u>

Dates of Analysis: <u>03/15/97</u> to <u>03/15/97</u>

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR1660L3	AR1660L3	03/15/97	01:08	1.66	26.80
WG9617ME	WG9617ME	03/15/97	02:36	0.00	0.07
SS01FB	71102002	03/15/97	04:43	0.00	0.07

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: __IEA-NJ__

Job No.: __71102__   Sequence: __S2B44BO__

Instrument ID: __HP58902B__   GC Column ID: __1.5%SP2250/1.95%SP__

Dates of Analysis: __03/18/97__ to __03/19/97__

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR1660L3	AR1660L3	03/18/97	18:02	1.67	26.88
WG9640ME	WG9640ME	03/18/97	19:27	0.60	0.07
AR1660L3	AR1660L3	03/19/97	04:03	1.67	26.96
WG9640BSMS	WG9640BSMS	03/19/97	04:46	0.00	0.18
SS01	71102001	03/19/97	06:11	0.60	0.18
AR1660L3	AR1660L3	03/19/97	14:12	1.68	27.04
SS02	71102003	03/19/97	15:50	0.00	0.00
SS06DUP	71102004	03/19/97	16:33	0.00	0.11
SS04	71102008	03/19/97	17:15	0.00	0.04
SS05	71102009	03/19/97	17:57	0.00	0.96
SS03	71102005	03/19/97	18:40	0.00	0.00
SS03 MSMS	71102006MS	03/19/97	19:22	0.00	0.30
SS03 MSDMSD	71102007MSD	03/19/97	20:05	0.60	0.04

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: IEA-NJ

Job No.: 71102　　　　　　　　Sequence: S2A44I

Instrument ID: HP58902A　　　　GC Column ID: 3.0%SP2100 100/120

Dates of Analysis: 11/19/96　to　11/20/96

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR1221L1	AR1221L1	11/19/96	08:07	2.17	28.04
AR1221L2	AR1221L2	11/19/96	08:50	0.00	0.11
AR1221L3	AR1221L3	11/19/96	09:32	0.00	0.04
AR1221L4	AR1221L4	11/19/96	10:15	0.46	0.21
AR1221L5	AR1221L5	11/19/96	10:57	0.46	0.11
AR1232L1	AR1232L1	11/19/96	11:40	0.00	0.07
AR1232L2	AR1232L2	11/19/96	12:25	0.00	0.04
AR1232L3	AR1232L3	11/19/96	13:08	0.00	0.07
AR1232L4	AR1232L4	11/19/96	13:50	0.00	0.07
AR1232L5	AR1232L5	11/19/96	14:33	0.00	0.00
AR1242L1	AR1242L1	11/19/96	15:15	0.46	0.04
AR1242L2	AR1242L2	11/19/96	15:59	0.46	0.14
AR1242L3	AR1242L3	11/19/96	16:42	0.92	0.18
AR1242L4	AR1242L4	11/19/96	17:24	0.92	0.11
AR1242L5	AR1242L5	11/19/96	18:07	1.38	0.07
AR1248L1	AR1248L1	11/19/96	18:50	0.46	0.07
AR1248L2	AR1248L2	11/19/96	19:32	0.46	0.21
AR1248L3	AR1248L3	11/19/96	20:17	0.00	0.00
AR1248L4	AR1248L4	11/19/96	21:00	0.00	0.04
AR1248L5	AR1248L5	11/19/96	21:42	0.46	0.04
AR1254L1	AR1254L1	11/19/96	22:25	0.00	0.14
AR1254L2	AR1254L2	11/19/96	23:07	0.46	0.00
AR1254L3	AR1254L3	11/19/96	23:50	0.00	0.07
AR1254L4	AR1254L4	11/20/96	00:32	0.00	0.07
AR1254L5	AR1254L5	11/20/96	01:14	0.46	0.11
AR1660L1	AR1660L1	11/20/96	01:57	0.00	1.03
AR1660L2	AR1660L2	11/20/96	02:39	0.00	1.46
AR1660L3	AR1660L3	11/20/96	03:21	0.00	1.46
AR1660L4	AR1660L4	11/20/96	04:04	0.00	1.50
AR1660L5	AR1660L5	11/20/96	04:52	0.46	1.32
TOXL1	TOXL1	11/20/96	05:35	0.00	0.14
TOXL2	TOXL2	11/20/96	06:17	0.00	0.00
TOXL3	TOXL3	11/20/96	06:59	0.46	0.00
TOXL4	TOXL4	11/20/96	07:50	0.00	0.00
TOXL5	TOXL5	11/20/96	08:37	0.00	0.04

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: IEA-NJ

Job No.: 71102

Sequence: S2A44I

Instrument ID: HP58902A

GC Column ID: 3.0%SP2100 100/120

Dates of Analysis: 11/19/96 to 11/20/96

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
		11/20/96	09:20	0.00	0.00
CHLORL1	CHLORL1	11/20/96	10:02	0.00	0.11
CHLORL2	CHLORL2	11/20/96	10:50	0.00	0.14
CHLORL3	CHLORL3	11/20/96	11:38	0.46	0.04
CHLORL4	CHLORL4	11/20/96	12:20	0.00	0.07
CHLORL5	CHLORL5	11/20/96	13:41	0.46	0.11
INDAL1	INDAL1	11/20/96	14:29	0.46	0.14
INDAL2	INDAL2	11/20/96	15:11	0.46	0.00
INDAL3	INDAL3	11/20/96	15:54	0.00	0.07
INDAL4	INDAL4	11/20/96	16:36	1.84	0.11
INDAL5	INDAL5	11/20/96	17:18	1.84	0.11
INDBL5	INDBL5	11/20/96	18:01	0.00	0.07
INDBL4	INDBL4	11/20/96	18:44	0.46	0.11
INDBL3	INDBL3	11/20/96	19:26	0.00	0.14
INDBL2	INDBL2	11/20/96	20:09	0.00	0.18
INDBL1	INDBL1				

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: **IEA-NJ**

Job No.: **71102**   Sequence: **S2A44BM**

Instrument ID: **HP58902A**   GC Column ID: **3.0%SP2100 100/120**

Dates of Analysis: **03/12/97** to **03/12/97**

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
INDAL1	INDAL1	03/12/97	17:03	2.19	28.33
INDAL2	INDAL2	03/12/97	17:49	0.00	0.04
INDAL3	INDAL3	03/12/97	18:34	0.00	0.04
INDAL4	INDAL4	03/12/97	19:16	1.37	0.07
INDAL5	INDAL5	03/12/97	19:58	2.28	0.07
INDBL1	INDBL1	03/12/97	20:41	0.46	0.14
INDBL2	INDBL2	03/12/97	21:23	0.00	0.21
INDBL3	INDBL3	03/12/97	22:06	0.46	0.07
INDBL4	INDBL4	03/12/97	22:48	1.37	0.10
INDBL5	INDBL5	03/12/97	23:31	2.74	0.21

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: IEA-NJ

Job No.: 71102   Sequence: S2A44BN

Instrument ID: HP58902A   GC Column ID: 3.0%SP2100 100/120

Dates of Analysis: 03/15/97 to 03/15/97

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR16601L3	AR16601L3	03/15/97	01:54	2.17	27.89
WG9617ME	WG9617ME	03/15/97	03:19	0.92	1.18
SS01FB	71102002	03/15/97	05:26	1.38	1.15

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

PEST/PCB EVALUATION STANDARDS SUMMARY

RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE/TETRACHLORO-M-XYLENE

Lab Name: __IEA-NJ__

Job No.: __71102__   Sequence: __S2A44BQ__

Instrument ID: __HP58902A__   GC Column ID: __3.0%SP2100 100/120__

Dates of Analysis: __03/18/97__ to __03/19/97__

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX %D	DBC %D
AR1660L3	AR1660L3	03/18/97	18:44	2.19	28.05
WG9640ME	WG9640ME	03/18/97	20:09	1.37	1.00
AR1660L3	AR1660L3	03/19/97	04:46	2.20	28.21
WG9640BSMS	WG9640BSMS	03/19/97	05:28	0.91	0.53
SS01	71102001	03/19/97	06:53	1.36	0.64
AR1660L3	AR1660L3	03/19/97	15:04	2.22	28.39
SS02	71102003	03/19/97	16:33	0.45	0.49
SS06DUP	71102004	03/19/97	17:15	0.45	0.49
SS04	71102008	03/19/97	17:57	0.45	0.60
SS05	71102009	03/19/97	18:40	0.00	0.04
SS03	71102005	03/19/97	19:22	0.45	0.49
SS03 MSMS	71102006MS	03/19/97	20:05	0.45	0.04
SS03 MSDMSD	71102007MSD	03/19/97	20:47	0.00	0.14

* Values outside of QC limits (2.0% for pack Columns, 0.3% for capillary columns)

D Surrogates Diluted Out

TCX = TETRACHLORO-M-XYLENE
DBC = DIBUTYLCHLORENDATE

IEA
An AquarionCompany

DIESEL RANGE ORGANICS (DRO)

EXTRACTABLE PETROLEUM HYDROCARBONS SURROGATE RECOVERY

Job No.: __71102__

No.	Client Sample ID	Surrogate % Recovery (1)
1	MB WG9780	73
2	BS WG9780	85
3	SS01	D
4	SS02	D
5	SS06DUP	D
6	SS03	D
7	SS03MS	D
8	SS03MSD	D
9	SS04	D
10	SS05	D
11	MB WG9674	85
12	SS01FB	80
13		
14		

QC Limits = (60-140)

Surrogate (1) =
* = Values outside QC Limits
D = Surrogate Diluted out

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

METHOD BLANK SUMMARY

Lab Sample ID: METHOD BLANK WG9674

Matrix: (soil/water) WATER

Date Analyzed: 03/25/97

Time Analyzed: 1520

Instrument ID: HP58903A

Gc Column ID: DB-5

This Method Blank Applies to the Following Samples, MS and MSD:

No.	CLIENT ID	Lab Sample ID	Date Analyzed
1	SS01FB	71102002	03/25/97
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

METHOD BLANK SUMMARY

Lab Sample ID: METHOD BLANK WG9780

Matrix: (soil/water) SOIL

Date Analyzed: 03/31/97

Time Analyzed: 1605

Instrument ID: HP58903A

Gc Column ID: DB-5

This Method Blank Applies to the Following Samples, MS and MSD:

No.	CLIENT ID	Lab Sample ID	Date Analyzed
1	SS01	71102001	04/01/97
2	SS02	71102003	04/01/97
3	SS06DUP	71102004	04/01/97
4	SS03	77102005	04/01/97
5	SS03MS	71102006MS	04/01/97
6	SS03MSD	71102007MSD	04/01/97
7	SS04	71102008	04/01/97
8	SS05	71102009	04/01/97
9	BLANK SPIKE	BS WG9780	03/31/97
10			
11			
12			
13			
14			
15			

IEA

An AquarionCompany

INDUSTRIAL & ENVIRONMENTAL ANALYST, INC. (IEA)

SOIL EXTRACTABLE PETROLEUM HYDROCARBONS

BLANK SPIKE RECOVERY

Job Number: _____71102_____

Blank Spike - Client Sample No.: <u>BS WG9780</u>

Compound	Spike Added(MG/KG)	Sample Conc.(MG/KG)	BS Conc.(MG/KG)	BS % Recovery	QC Limits % Recovery
#2 Fuel Oil	17	0	12	70	60 -140

IEA

An AquarionCompany

INDUSTRIAL & ENVIRONMENTAL ANALYST, INC. (IEA)

SOIL EXTRACTABLE PETROLEUM HYDROCARBONS

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Job Number: ___71102___

Matrix Spike - Client Sample No.: ___SS03___

Compound	Spike Added (MG/KG)	Sample Conc. (MG/KG)	MS Conc. (MG/KG)	MS % Recovery	QC Limits % Recovery
#2 Fuel Oil	24	3900	4400	2083*	60 -140

Compound	Spike Added (MG/KG)	MSD Conc (MG/KG)	MSD % Rec	%RPD	QC LIMITS RPD	%REC
#2 Fuel Oil	24	4700	3333*	46	35	60-140

IEA
An AquarionCompany

GAS CHROMATOGRAPHY

ANALYTICAL SEQUENCE

Lab Name: __IEA-NJ__

GC Column: __DB-5__ ID: __0.53__ Init. Calib. Date(s): __02/18/97__ _____

Instrument ID: __HP58903A__

No	CLIENT ID	LAB ID	DATE	TIME	RT (1)
1	#2 FUEL OIL	100 PPM	02/18/97	1243	19.36
2	#2 FUEL OIL	250 PPM	02/18/97	1333	19.37
3	#2 FUEL OIL	500 PPM	02/18/97	1414	19.38
4	#2 FUEL OIL	1000 PPM	02/18/97	1454	19.38
5	#2 FUEL OIL	2000 PPM	02/18/97	1534	19.38
6	#2 FUEL OIL	5000 PPM	02/18/97	1615	19.38
7	#2 FUEL OIL	500 PPM	03/25/97	1520	19.40
8	METHOD BLANK	MB WG9674	03/25/97	1553	19.39
9	SS01FB	71102002	03/25/97	1658	19.39
10	#2 FUEL OIL	500 PPM	03/31/97	1531	19.42
11	METHOD BLANK	MB WG9780	03/31/97	1605	19.41
12	BLANK SPIKE	BS WG9780	03/31/97	1639	19.41
13	#2 FUEL OIL	1000 PPM	04/01/97	0747	19.42
14	SS01	71102001	04/01/97	1214	19.39
15	SS02	71102003	04/01/97	1303	D
16	SS06DUP	71102004	04/01/97	1351	D
17	SS03	71102005	04/01/97	1440	D
18	SS03MS	71102006MS	04/01/97	1529	D
19	SS03MSD	71102007MSD	04/01/97	1617	D
20	SS04	71102008	04/01/97	1706	D
21	SS05	71102009	04/01/97	1754	D21
22					
23					
24					
25					
26					
27					
28					

Surrogate (1) = O-TERPHENYL
* = Values outside of QC Limits

IEA
An AquarionCompany

GASOLINE RANGE ORGANICS

PURGEABLE PETROLEUM HYDROCARBONS SURROGATE RECOVERY

Job No.: 71102

No.	Client Sample No.	Surrogate % Recovery
1	MB031897	99
2	SS01FB	107
3	MB032597	97
4	BS032597	88
5	SS01	89
6	SS02	86
7	S06DUP	138
8	SS03	101
9	SS04	93
10	SS05	97
11	SS03MS	98
12	SS03MSD	104
13		
14		

QC Limits = (60-140)

Surrogate (1) = a,a,a-Trifluorotoluene
* = Values outside QC Limits
D = Surrogate Diluted out

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

METHOD BLANK SUMMARY

Lab Sample ID: METHOD BLANK 031897

Matrix: (soil/water) WATER

Date Analyzed: 03/18/97

Time Analyzed: 1117

Instrument ID: HP58905A

Gc Column ID: DB-WAX

This Method Blank Applies to the Following Samples, MS and MSD:

No.	CLIENT ID	Lab Sample ID	Date Analyzed
1	71102002	SS01FB	03/18/97
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

METHOD BLANK SUMMARY

Lab Sample ID: <u>METHOD BLANK 03/25/97</u>

Matrix: (soil/water) <u>SOIL</u>

Date Analyzed: <u>03/25/97</u>

Time Analyzed: <u>1117</u>

Instrument ID: <u>HP58905A</u>

Gc Column ID: <u>DB-WAX</u>

This Method Blank Applies to the Following Samples, MS and MSD:

No.	CLIENT ID	Lab Sample ID	Date Analyzed
1	BLANK SPIKE	BS03/25/97	03/25/97
2	SS01	71102001	03/25/97
3	SS02	71102003	03/25/97
4	SS06DUP	71102004	03/25/97
5	SS03	71102005	03/25/97
6	SS04	71102008	03/25/97
7	SS05	71102009	03/25/97
8	SS03MS	71102006MS	03/25/97
9	SS03MSD	71102007MSD	03/25/97
10			
11			
12			
13			
14			
15			

IEA
An AquarionCompany

INDUSTRIAL & ENVIRONMENTAL ANALYST, INC. (IEA)

SOIL PURGEABLE PETROLEUM HYDROCARBONS

BLANK SPIKE RECOVERY

Job Number: ____71102_____

Blank Spike - Client Sample No.: ___BS032597_____

Compound	Spike Added(MG/KG)	Sample Conc.(MG/KG)	BS Conc.(MG/KG)	BS % Recovery	QC Limits % Recovery
GASOLINE	10	0	10	100	60 -140

IEA
An AquarionCompany

INDUSTRIAL & ENVIRONMENTAL ANALYST, INC. (IEA)

SOIL PURGEABLE PETROLEUM HYDROCARBONS

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Job Number: ____71102____

Matrix Spike - Client Sample No.: ____SS03____

Compound	Spike Added(MG/KG)	Sample Conc.(MG/KG)	Matrix-Spk Conc.(MG/KG)	Matrix-Spk % Recovery	QC Limits % Recovery
GASOLINE	14	0	16	114	60 -140

Compound	Spike Added (MG/KG)	MSD Conc (MG/KG)	MSD % Rec	%RPD	QC LIMITS RPD	%REC
GASOLINE	14	19	136	18	35	60-140

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

ANALYTICAL SEQUENCE

Lab Name: __IEA-NJ__

GC Column: __DBWAX__ ID: __0.53__ Init. Calib. Dates: __01/28/97__ _____

Instrument ID: __HP58905A__

No	CLIENT ID	LAB ID	DATE	TIME	RT (1)
1	GASOLINE	50 PPB	01/28/97	2013	4.79
2	GASOLINE	100 PPB	01/28/97	2035	4.79
3	GASOLINE	200 PPB	01/28/97	2057	4.79
4	GASOLINE	400 PPB	01/28/97	2119	4.79
5	GASOLINE	600 PPB	01/28/97	2141	4.79
6	GASOLINE	1000 PPB	01/28/97	2202	4.79
7	GASOLINE	200PPB	03/18/97	0804	4.79
8	METHOD BLANK	MB031897	03/18/97	0826	4.80
9	SS01EB	71102002	03/18/97	0826	4.80
10	GASOLINE	200PPB	03/25/97	1055	4.81
11	METHOD BLANK	MB03597	03/25/97	1117	4.81
12	BLANK SPIKE	BS03/25/97	03/25/97	1138	4.81
13	SS01	71102001	03/25/97	1211	4.80
14	SS02	71102003	03/25/97	1233	4.81
15	SS06DUP	71102004	03/25/97	1255	4.80
16	SS03	71102005	03/25/97	1329	4.80
17	SS04	71102008	03/25/97	1350	4.80
18	SS05	71102009	03/25/97	1412	4.80
19	SS03MS	71102006MS	03/25/97	1434	4.80
20	SS03MSD	71102007MSD	03/25/97	1456	4.81
21					
22					
23					
24					
25					
26					
27					
28					

Surrogate (1) =
* = Values outside of QC Limits

WET CHEMISTRY
QC SUMMARY

CLIENT: Allied Signal

JOB NUMBER: 71108

UNITS

mg/l   (mg/kg)   ug/l

SOIL   MISC:_____

WATER   SLUDGE

ANALYTE	METHOD BLANK	BLANK SPIKE	SAMPLE	DUP.	RPD	CONC. OF SPIKE ADDED	SPIKED SAMPLE CONC	UNSPIKED SAMPLE CONC	% REC.	DATE ANALYZED
Soil PHC										
Aqueous PHC										
Oil & Grease Grav. / IR										
BOD5										
Total Cyanide										3·13·97
Ignitability	NA →		Not Ignible. →		NC	NA				
Flashpoint (Degrees Farenheit)										
COD										
Total Phenolics										
TDS										
Total Solids										
TSS										
Reactive Cyanide										
Reactive Sulfide										
Total Sulfide										
Hexavalent Chromium (7196A)										
Hexavalent Chromium (200.7)										
Chloride										
Misc:										

RPD = Relative Percent Difference   NA = Not Applicable   NC = Not Calculable

QC performed on Sample: Ign 71054 001 Dup

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID
SS01FB

Lab Name: IEA-NJ

Matrix: (soil/water):WATER

Sample wt/vol: 970 (g/ml) ml

% Moisture: 0 decanted: __

Extraction: (SepF/Cont/Sonc) SEPF

Concentrated Extract Volume:2000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:____

Client: Allied Signal Inc.

Lab Sample ID: 71102002

Lab File ID: D2B44BN 044

Date Received: 03/11/97

Date Extracted: 03/13/97

Date Analyzed: 03/15/97

Dilution Factor: 1.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Conc	Q
12674-11-2	Aroclor-1016		0.21	U
11104-28-2	Aroclor-1221		0.21	U
11141-16-5	Aroclor-1232		0.21	U
469-21-9	Aroclor-1242		0.21	U
672-29-6	Aroclor-1248		0.21	U
11097-69-1	Aroclor-1254		0.21	U
11096-82-5	Aroclor-1260		0.21	U

FORM 1 PEST

3/90

IEA Pesticide Standard Report

Sample Name : 71102002 SS01FB   Inj 0443 15Mar1997
Result File : /DATA/LOOP/RESULT/D2844BN_044.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.038   1.657

23.713

26.822

IEA Pesticide Standard Report

Sample Name   : 71102002 SS01FB   Report No : 384.00
Result File   : /DATA/LOOP/RESULT/D2B44BN_044.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0443 15Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BN.SEQ
Subseq/Sample : 1/ 44   Bottle no. : 45

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.04		.042377	5092	BV	0.0000	
2	1.66	#1.65	.074590	1269746	BV	0.0000	TCX
3	2.02		.092182	18507	VV	0.0000	
4	2.22		.123556	3950	VV	0.0000	
5	2.69		.172919	3274	PV	0.0000	
6	3.19	3.20	.144109	9839	PV	0.0000	B-BHC
7	3.42		.162031	4295	VV	0.0000	
8	3.77	3.70	.224404	6383	VB	0.0000	D-BHC
9	23.71		1.029976	76451	BV	0.0000	
10	26.82	27.40	1.092402	885221	VB	0.0000	DBC

Total Area   :   2282759   Total PPB :   0.000

Report Time   : 0527 15Mar1997
Method   : /DATA/LOOP/METHOD/HP58902B.MTH
Result File   : /DATA/LOOP/RESULT/D2B44BN_044.RES

GDS
3·31·97

IEA Pesticide Standard Report

Sample Name : 71102002 SS01FB   Inj 0526 15Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BN_045.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1 15.450

2.196

2.798 94

4:299

28.212

IEA Pesticide Standard Report

		Report No : 386.00
Sample Name	: 71102002 SS01FB	
Result File	: /DATA/LOOP/RESULT/D2A44BN_045.RES	Inj. Vol. : 5 ul
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 0526 15Mar1997	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BN.SEQ	
Subseq/Sample	: 1/ 45	Bottle no. : 45

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		.085610	101956	BV	0.0000	
2	1.76		.099957	28427	PV	0.0000	
3	2.20	#2.15	.118661	6289857	HS	0.0000	TCX
4	2.49	2.45	.101342	65881	BT	0.0000	A-BHC
5	2.80	2.85	.117879	10189	BT	0.0000	G-BHC
6	4.20		.199573	19292	BV	0.0000	
7	4.41	4.35	.159824	9873	VV	0.0000	HEPTACHLOR
8	28.21	27.63	.707960	2204444	BV	0.0000	DBC

Total Area   :   8729920   Total PPB :   0.000

Report Time	: 0607 15Mar1997	
Method	: /DATA/LOOP/METHOD/HP58902A.MTH	
Result File	: /DATA/LOOP/RESULT/D2A44BN_045.RES	

GDS
3-31-97

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS01

Lab Name: IEA-NJ

Matrix: (soil/water): SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 15 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume: 10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N) N   pH: _____

Client: Allied Signal Inc.

Lab Sample ID: 71102001

Lab File ID: D2B44BQ_019

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 1.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND			
			39	U
12674-11-2	Aroclor-1016		39	U
11104-28-2	Aroclor-1221		39	U
11141-16-5	Aroclor-1232		39	U
53469-21-9	Aroclor-1242		39	U
12672-29-6	Aroclor-1248		380	
11097-69-1	Aroclor-1254		39	U
11096-82-5	Aroclor-1260			

FORM 1 PEST

IEA Pesticide Standard Report

Sample Name : 71102001 SS01   Inj 0611 19Mar1997
Result File : /DATA/LOOP/RESULT/D2B44BQ_019.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.683

1.683
2.042
2.287
2.742
3.125
3.283
3.776
4.250
4.692
5.025
5.417
5.892
6.242
6.750
7.325

8.325
8.900
9.667
10.117
10.975

12.308
13.100
13.917

15.792
16.933

20.158

22.575

24.333

27.008

31.667

38.515
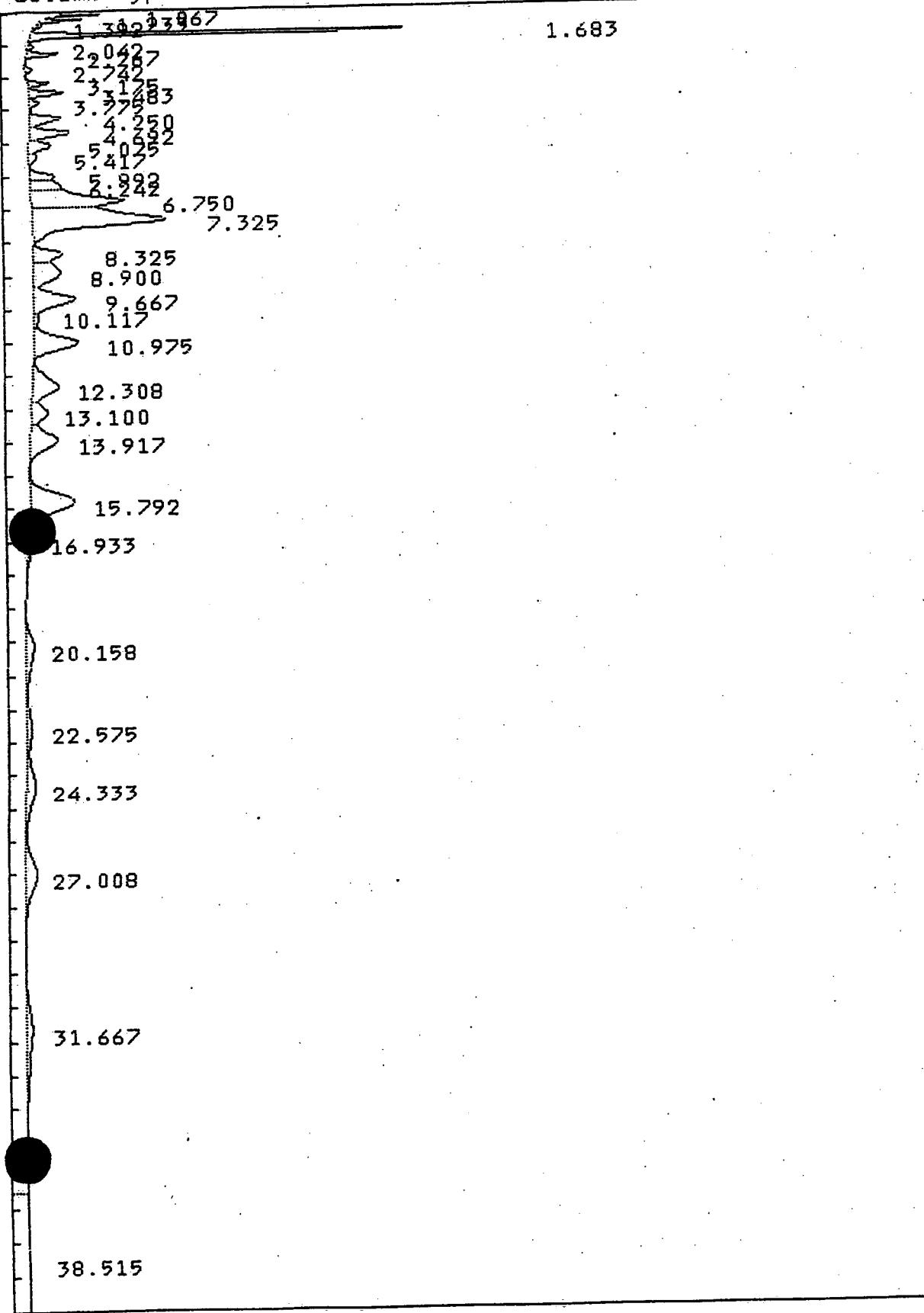
IEA Pesticide Standard Report

Report No :430.01

Sample Name : 71102001 SS01
Result File : /DATA/LOOP/RESULT/D2B44BQ_019.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 0611 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample : 1/ 19   Bottle no. : 20

% Dil-Fact
   100.00

Run Status : RunStatusOK
             EndOffBaseline
             SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	119089	FF	0.0000	
2	1.23		0.000000	111422	FF	0.0000	
3	1.39		0.000000	21750	FF	0.0000	
4	1.68	#1.70	0.000000	1407006	FF	0.0000	TCX
5	2.04		0.000000	24266	FF	0.0000	A-BHC
6	2.27	2.30	0.000000	138752	FF	0.0000	
7	2.74		0.000000	44517	FF	0.0000	B-BHC
8	3.18	3.20	0.000000	121784	FF	0.0000	HEPTACHLOR
9	3.48	3.50	0.000000	173178	FF	0.0000	B-BHC
10	3.78	3.70	0.000000	63133	FF	0.0000	ALDRIN
11	4.25	4.20	0.000000	280868	FF	0.0000	
12	4.69		0.000000	327223	FF	0.0000	
13	5.07		0.000000	205851	FF	0.0000	
14	5.42		0.000000	76977	FF	0.0000	
15	5.99	5.95	0.000000	184774	FF	0.0000	HEPTACHLOR EPOXIDE
16	6.24		0.000000	299187	FF	0.0000	
17	6.75	6.75	0.000000	1286376	FF	0.0000	G-CHLORDANE
18	7.32	7.35	0.000000	2380504	FF	0.0000	A-CHLORDANE
19	8.33		0.000000	334826	FF	0.0000	DIELDRIN
20	8.90	9.05	0.000000	537059	FF	0.0000	
21	9.67		0.000000	644157	FF	0.0000	
22	10.12		0.000000	65210	FF	0.0000 1254	ENDRIN
23	10.98	11.00	0.000000	779574	FF	0.0000 ,254	
24	12.31		0.000000	588539	FF	0.0000	4,4' DDD
25	13.10	13.05	0.000000	296733	FF	0.0000 1254	
26	13.92		0.000000	598006	FF	0.0000	4,4' DDT
27	15.79	15.80	0.000000	1075278	FF	0.0000	ENDRIN ALDEHYDE
28	16.93	16.55	0.000000	111413	FF	0.0000	
29	20.16		0.000000	354674	FF	0.0000	
30	22.58		0.000000	249669	FF	0.0000	
31	24.33		0.000000	443106	FF	0.0000	
32	27.01	27.15	0.000000	499217	FF	0.0000	DBC
33	31.67		0.000000	428851	FF	0.0000	
34	38.51		0.000000	3565754	VB	0.0000	

GDS
3·19·97

Total Area   :   17838732   Total PPB   :   0.000

Report Time : 0850 19Mar1997

IEA Pesticide Standard Report

Method : /DATA/LOOP/METHOD/HP58902BP.MTH
Result File : /DATA/LOOP/RESULT/D2B44BQ_019.RES

IEA Pesticide Standard Report

Sample Name : 71102001 SS01   Inj 0653 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2A44BQ_020.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
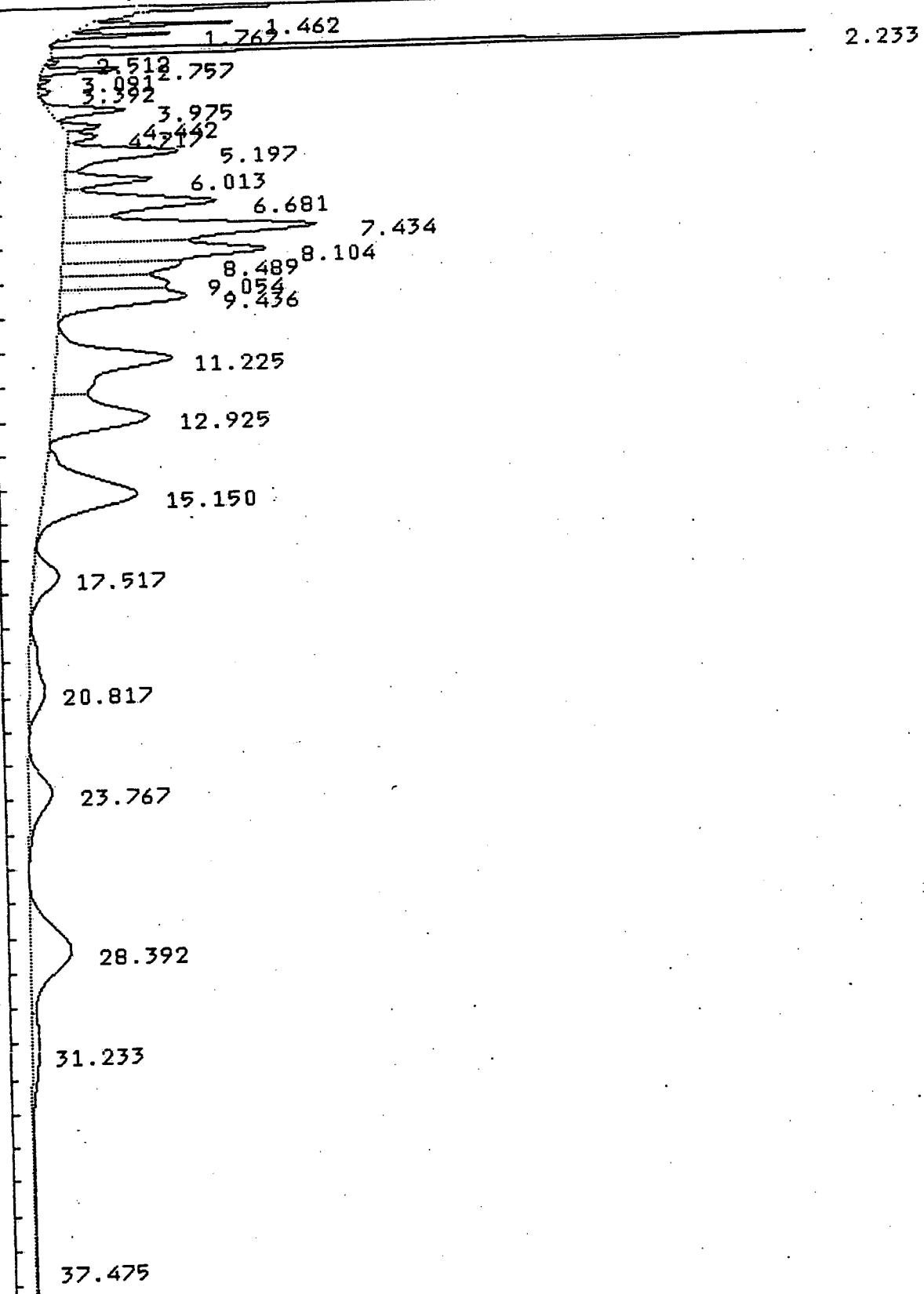
1.462
1.765
2.233
2.512
2.757
3.081
3.392
3.975
4.442
5.197
6.013
6.681
7.434
8.104
8.489
9.054
9.436
11.225
12.925
15.150
17.517
20.817
23.767
28.392
31.233
37.475

IEA Pesticide Standard Report

Report No : 434.02

Sample Name	:	71102001 SS01
Result File	:	/DATA/LOOP/RESULT/D2A44BQ_020.RES
Column Type	:	3.0%SP2100 100/120 SUPELCOPORT
Instrument	:	HP58902A
Calculation	:	ExternalSTD
Run Time	:	40.00 Mins. Injected on 0653 19Mar1997
Sequence File	:	/DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample	:	1/ 20 Bottle no. : 20

Inj. Vol. : 5 ul

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.46		0.000000	936212	PV	0.0000	
2	1.76		0.000000	672648	PV	0.0000	
3	2.23	#2.25	0.000000	7069220	FF	0.0000	TCX
4	2.51		0.000000	77995	BT	0.0000	
5	2.76		0.000000	770438	PT	0.0000	
6	3.09		0.000000	98686	PT	0.0000	
7	3.39		0.000000	99963	PT	0.0000	
8	3.97		0.000000	1227250	FF	0.0000	
9	4.44		0.000000	462760	FF	0.0000	
10	4.72		0.000000	402384	VV	0.0000	
11	5.20		0.000000	2810303	VV	0.0000	
12	6.01		0.000000	1714874	VV	0.0000	
13	6.68		0.000000	4328732	VV	0.0000	
14	7.43		0.000000	8061821	VV	0.0000	
15	8.10		0.000000	6453404	VV	0.0000	
16	8.49		0.000000	2511617	VV	0.0000	
17	9.05	9.00	0.000000	2664552	VV	0.0000	~~DIELDRIN~~
18	9.44		0.000000	4106017	VV	0.0000	
19	11.23	11.35	0.000000	6339620	FF	0.0000 125	~~ENDRIN ALDEHYDE~~
20	12.92	13.00	0.000000	5164472	FF	0.0000 125	~~ENDOSULFAN SULFATE~~
21	15.15		0.000000	6568160	FF	0.0000 125	
22	17.52		0.000000	1636736	FF	0.0000	
23	20.82	20.50	0.000000	1771032	FF	0.0000	~~METHOXYCHLOR~~
24	23.77		0.000000	2079106	FF	0.0000	
25	28.39	28.50	0.000000	4630098	FF	0.0000	DBC
26	31.23		0.000000	1069812	FF	0.0000	
27	37.47		0.000000	313592	FF	0.0000	

Total Area   :   74041504   Total PPB   :   0.000

Report Time	:	0858 19Mar1997
Method	:	/DATA/LOOP/METHOD/HP58902AP.MTH
Result File	:	/DATA/LOOP/RESULT/D2A44BQ_020.RES

GDS
3·19·97

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS02

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 15 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:____

Client: Allied Signal Inc.

Lab Sample ID: 71102003

Lab File ID: D2B44BQ 030

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND			
12674-11-2	Aroclor-1016		200	U
11104-28-2	Aroclor-1221		200	U
11141-16-5	Aroclor-1232		200	U
53469-21-9	Aroclor-1242		1300	
12672-29-6	Aroclor-1248		200	U
11097-69-1	Aroclor-1254		200	U
11096-82-5	Aroclor-1260		200	

FORM 1 PEST

3/90

IEA Pesticide Standard Report

Sample Name : 71102003 SS02 5XDL   Inj 1550 19Mar1997
Result File : /DATA/LOOP/RESULT/D2B44BQ_030.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.070
1.834
1.683
2.191
2.550
2.747
3.158
3.475
3.781
4.018
4.517
5.069
5.419
5.987
6.288
7.415
9.023
9.700
10.439
10.981
11.623
12.360
13.948
15.775
17.024
20.559
24.396
27.043
31.720
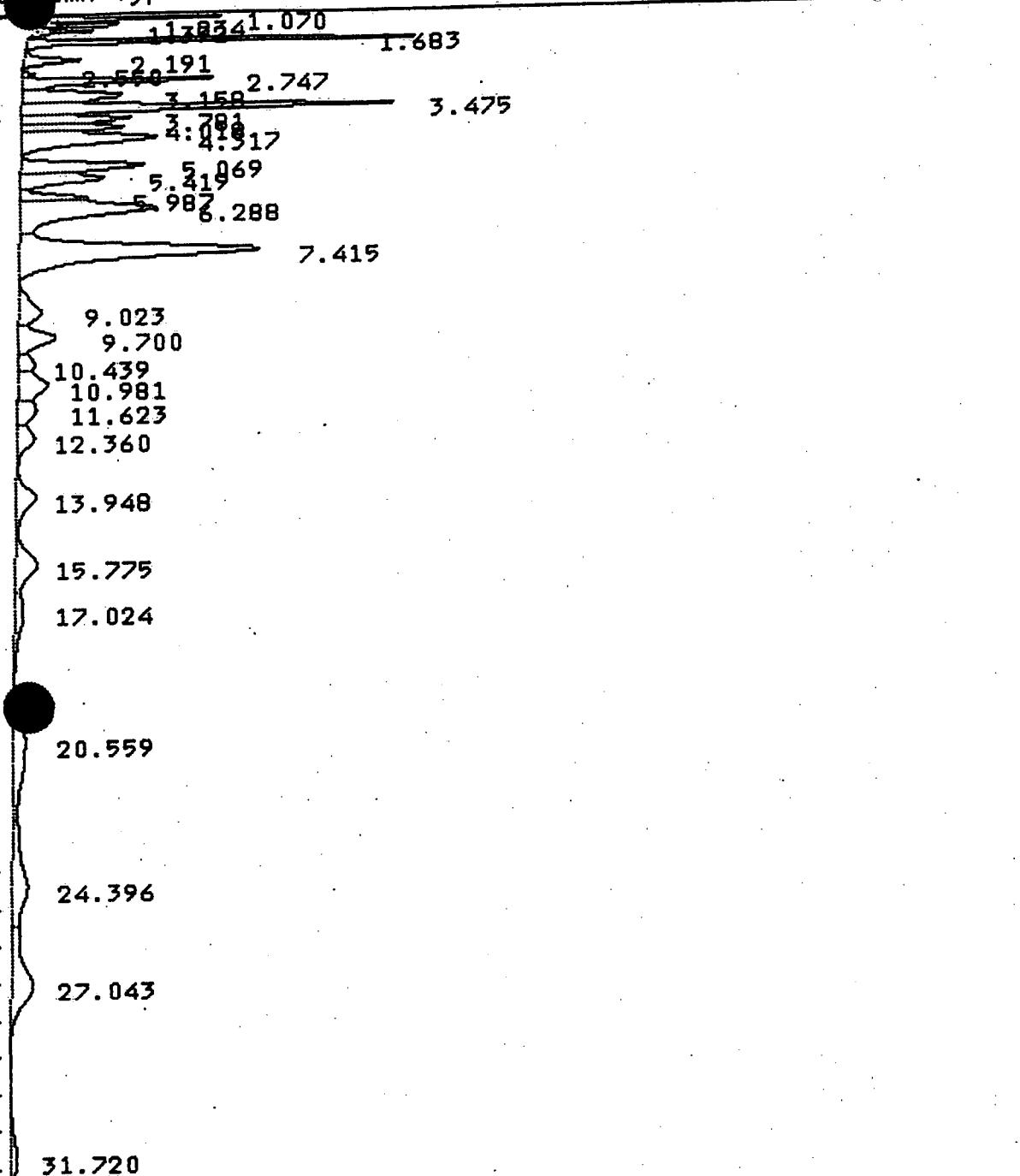
IEA Pesticide Standard Report

Report No : 442.01

Sample Name : 71102003 SS02 5XDL
Result File : /DATA/LOOP/RESULT/D2B44BQ_030.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 1550 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample : 1/ 30   Bottle no. : 31

% Dil-Fact
  100.00

Run Status : RunStatusOK
             EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		.055873	68022	BV	0.0000	
2	1.23		.059324	41420	PV	0.0000	
3	1.39		.075484	30729	VV	0.0000	TCX
4	1.68	1.65	.081169	260702	PV	0.0000	
5	2.19		.154169	57799	VV	0.0000	
6	2.55		.095153	8043	PV	0.0000	
7	2.75		.138734	175394	VV	0.0000	
8	3.16		.249779	160792	VV	0.0000 1242	
9	3.47		.169016	402933	VV	0.0000 1242	
10	3.78		.186205	129319	VV	0.0000 1242	
11	4.02		.185267	120977	VV	0.0000	
12	4.32		.312259	264611	VV	0.0000	
13	5.07		.251624	195157	PV	0.0000	
14	5.42		.277706	146669	VV	0.0000	
15	5.99		.189390	81115	VV	0.0000	
16	6.29		.436960	372752	VV	0.0000	
17	7.41		.415485	625108	VV	0.0000	
18	9.02		.581292	83143	PV	0.0000	
19	9.70		.460196	105646	VV	0.0000	
20	10.44		.412802	41565	VV	0.0000	
21	10.98		.562941	104381	VV	0.0000	
22	11.62		.523477	61454	VV	0.0000	
23	12.36		.592956	64939	VV	0.0000	
24	13.95		.713327	88185	VV	0.0000	
25	15.78		.849986	112890	VV	0.0000	
26	17.02		1.248192	66801	VV	0.0000 1260	
27	20.56		1.881151	139072	PV	0.0000 1260	
28	24.40		1.722520	161842	VV	0.0000	DBC
29	27.04	#27.00	1.445447	191878	VV	0.0000 1260	
30	31.72		2.023410	71253	PB	0.0000	

Total Area : 4434596   Total PPB : 0.000

Report Time : 0746 20Mar1997
Method : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File : /DATA/LOOP/RESULT/D2B44BQ_030.RES

IEA Pesticide Standard Report

Sample Name : 71102003 SS02 5XDL   Inj 1633 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_031.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
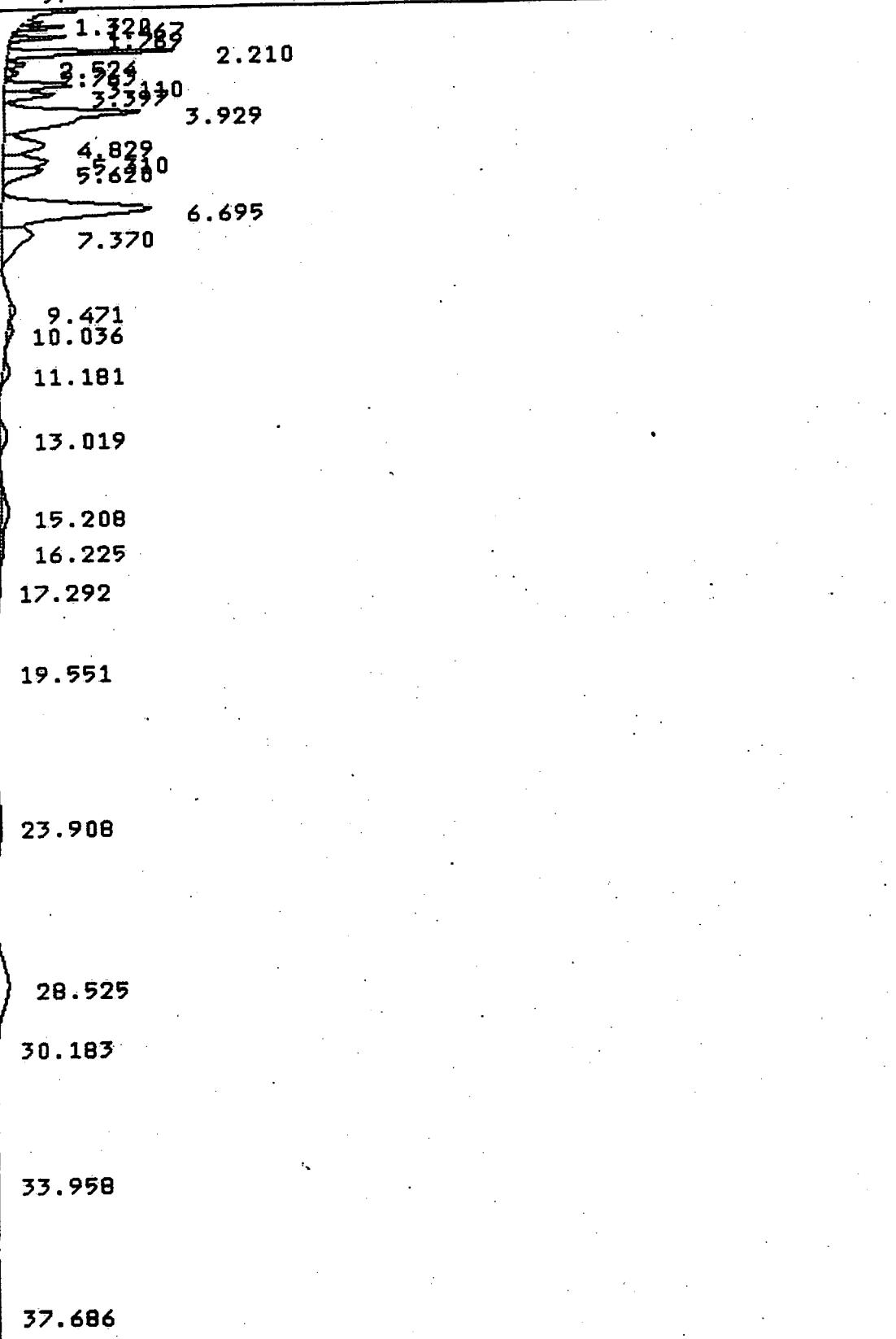
1.320
1.767
2.210
2.524
2.795
3.110
3.393
3.929
4.829
5.620
5.910
6.695
7.370
9.471
10.036
11.181
13.019
15.208
16.225
17.292
19.551
23.908
28.525
30.183
33.958
37.686

IEA Pesticide Standard Report

Sample Name : 71102003 SS02 5XDL
Result File : /DATA/LOOP/RESULT/D2A44BQ_031.RES
Column Type : 3.0%SP2100 100/120 SUPELCOPORT
Instrument : HP58902A
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 1633 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample : 1/ 31   Bottle no. : 31

Inj. Vol. : 5 ul

% Dil-Fact
   100.00

Run Status : RunStatusOK
             EndOffBaseline
             NoReference
             SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.32		0.000000	75870	BV	0.0000	
2	1.47		0.000000	270588	PV	0.0000	
3	1.77		0.000000	400168	PV	0.0000	
4	2.21		0.000000	1508327	PV	0.0000	TCX
5	2.52		0.000000	183472	VV	0.0000	
6	2.76		0.000000	131656	VV	0.0000	
7	3.11		0.000000	812059	PV	0.0000	
8	3.40		0.000000	676359	VV	0.0000	1242
9	3.93		0.000000	3667977	VV	0.0000	1242
10	4.83		0.000000	1074751	VV	0.0000	1242
11	5.31		0.000000	965653	VV	0.0000	
12	5.62		0.000000	871305	VV	0.0000	
13	6.70		0.000000	4392825	VV	0.0000	
14	7.37		0.000000	1265909	VV	0.0000	
15	9.47		0.000000	116310	BV	0.0000	
16	10.04		0.000000	143729	VV	0.0000	
17	11.18		0.000000	177288	VV	0.0000	
18	13.02		0.000000	372701	PV	0.0000	
19	15.21		0.000000	424533	FF	0.0000	
20	16.22		0.000000	185980	FF	0.0000	
21	17.29		0.000000	68390	FF	0.0000	1260
22	19.55		0.000000	226153	PV	0.0000	1260
23	23.91		0.000000	524344	FF	0.0000	1260
24	28.53		0.000000	1434384	FF	0.0000	DBC
25	30.18		0.000000	216238	FF	0.0000	
26	33.96		0.000000	62488	FF	0.0000	
27	37.69		0.000000	31348	PV	0.0000	

Total Area :   20280812   Total PPB :   0.000

Report Time : 0840 20Mar1997
Method : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44BQ_031.RES

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS06DUP

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 17 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:____

Client: Allied Signal Inc.

Lab Sample ID: 71102004

Lab File ID: D2B44BQ 031

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND			
12674-11-2	Aroclor-1016		200	U
11104-28-2	Aroclor-1221		200	U
11141-16-5	Aroclor-1232		200	U
469-21-9	Aroclor-1242		1700	
672-29-6	Aroclor-1248		200	U
11097-69-1	Aroclor-1254		200	U
11096-82-5	Aroclor-1260		220	

FORM 1 PEST

IEA Pesticide Standard Report

Sample Name : 71102004 SS06DUP 5XDL   Inj 1633 19Mar1997
Result File : /DATA/LOOP/RESULT/D2B44BQ_031.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.066
1.677
1.969
.184
2.739
3.147
3.466
3.269
4.306
4.0
5.408
5.058
5.972
6.274
7.405
9.006
9.679
10.426
10.959
11.617
12.338
13.924
15.786
16.998
21.210
24.398
27.012
31.725
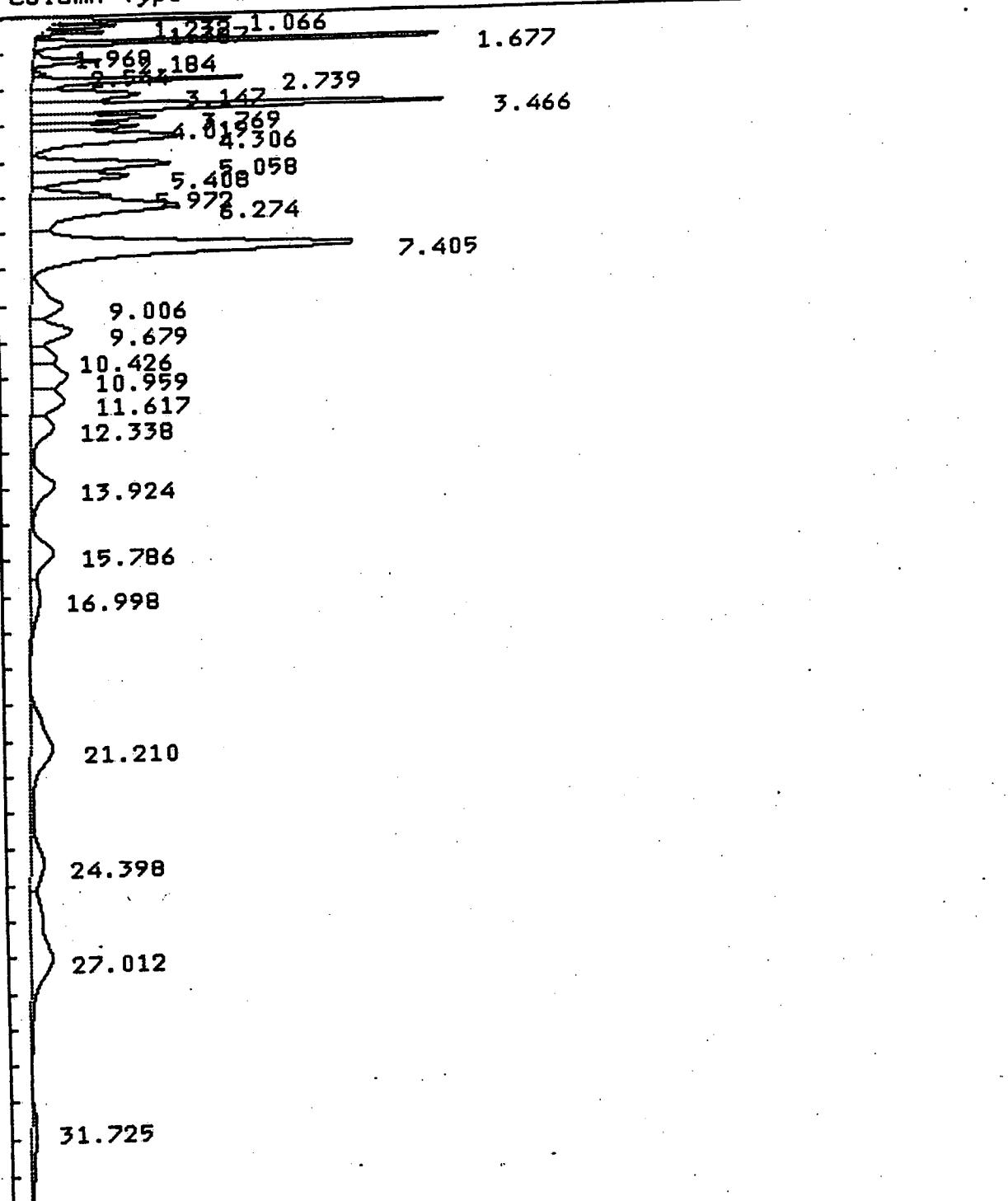
IEA Pesticide Standard Report

Sample Name : 71102004 SS06DUP 5XDL   Report No :443.01
Result File : /DATA/LOOP/RESULT/D2B44BQ_031.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SULPPORT Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 1633 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample : 1/ 31   Bottle no. : 32

% Dil-Fact
   100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		.054520	73472	BV	0.0000	
2	1.23		.061401	40621	PV	0.0000	
3	1.39		.067253	37132	VV	0.0000	
4	1.68	1.65	.078861	324404	PV	0.0000	TCX
5	1.97		.057329	1786	VV	0.0000	
6	2.18		.147703	74501	VV	0.0000	
7	2.54		.093953	9380	PV	0.0000	
8	2.74		.137142	210581	VV	0.0000	
9	3.15		.248472	191029	VV	0.0000	
10	3.47		.167598	499922	VV	0.0000	1242
11	3.77		.181892	162460	VV	0.0000	1242
12	4.02		.170193	127820	VV	0.0000	
13	4.31		.319654	331306	VV	0.0000	1242
14	5.06		.256295	252397	VV	0.0000	
15	5.41		.283638	192766	VV	0.0000	
16	5.97		.201660	113068	VV	0.0000	
17	6.27		.449804	467638	VV	0.0000	
18	7.40		.406770	926797	VV	0.0000	
19	9.01		.650284	142956	VV	0.0000	
20	9.68		.473179	135793	VV	0.0000	
21	10.43		.437365	74968	VV	0.0000	
22	10.96		.567883	144722	VV	0.0000	
23	11.62		.558655	130993	VV	0.0000	
24	12.34		.632098	99028	VV	0.0000	
25	13.92		.748958	126579	VV	0.0000	
26	15.79		.806008	128476	VV	0.0000	
27	17.00		1.201463	74817	VV	0.0000	
28	21.21		1.453751	223851	PV	0.0000	1260
29	24.40		1.278938	121445	VV	0.0000	1260
30	27.01	#27.00	1.926066	288942	VV	0.0000	DBC
31	31.73		1.671364	60742	PB	0.0000	1260

Total Area :   5790392   Total PPB :   0.000

Report Time : 0748 20Mar1997
Method : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File : /DATA/LOOP/RESULT/D2B44BQ_031.RES

IEA Pesticide Standard Report

Sample Name : 71102004 SS06DUP 5XDL   Inj 1715 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_032.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.318
1.483
1.566
2.209
2.523
2.763
3.110
3.397
3.927
4.829
5.472
5.619
6.696
7.365
9.472
10.029
11.201
13.014
15.174
16.292
17.050
19.433
20.492
23.908
28.525
30.408
32.908
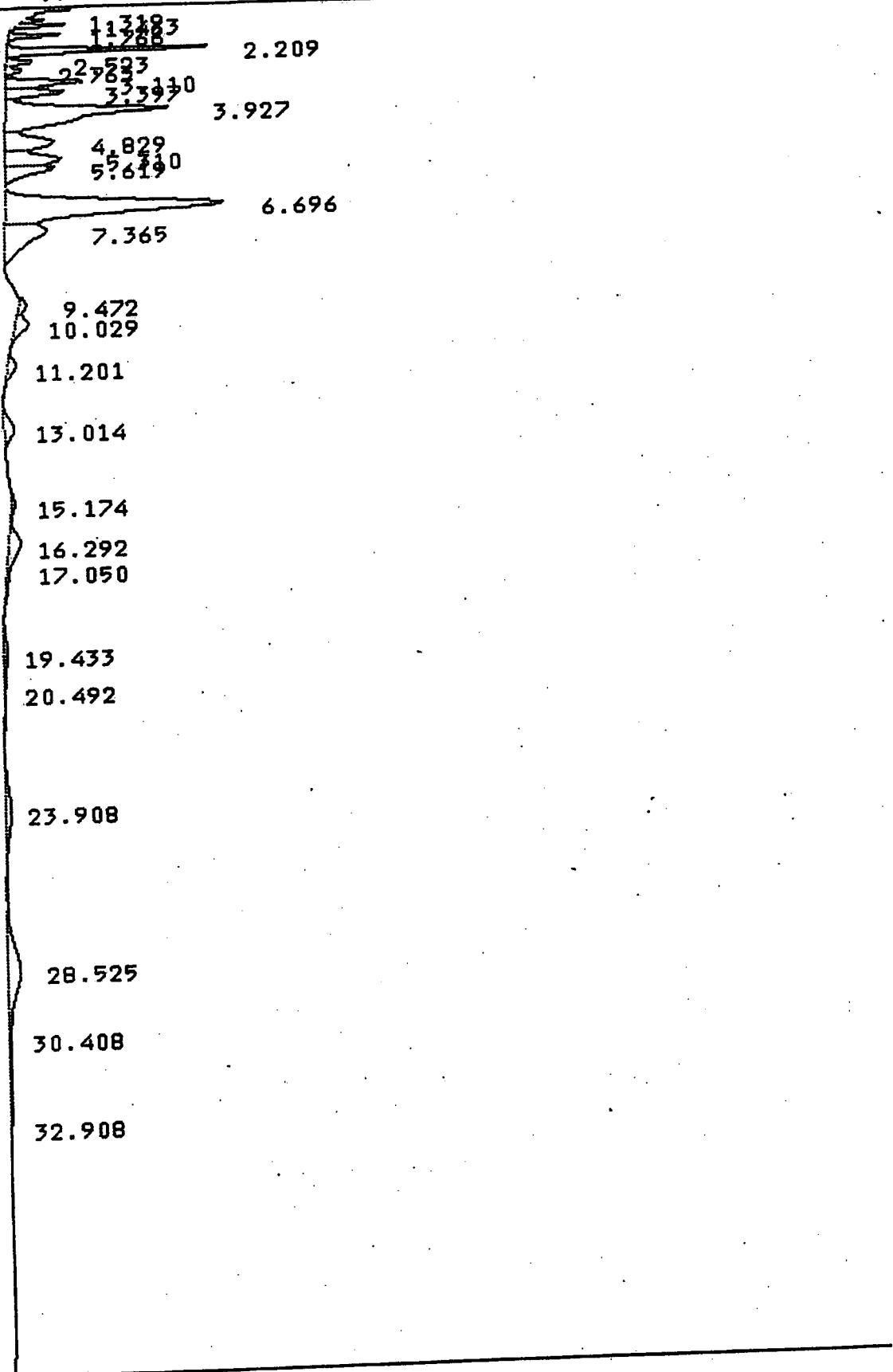
IEA Pesticide Standard Report

Sample Name   : 71102004 SS06DUP 5XDL   Report No :447.01
●ult File   : /DATA/LOOP/RESULT/D2A44BQ_032.RES
●umn Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1715 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample : 1/ 32   Bottle no. : 32

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 NoReference
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.32		0.000000	90831	PV	0.0000	
2	1.46		0.000000	291786	VV	0.0000	
3	1.77		0.000000	371858	PV	0.0000	
4	2.21		0.000000	1845878	PV	0.0000	rcc
5	2.52		0.000000	262978	VV	0.0000	
6	2.76		0.000000	166692	VV	0.0000	
7	3.11		0.000000	995565	PV	0.0000	1242
8	3.40		0.000000	828372	VV	0.0000	
9	3.93		0.000000	4360581	VV	0.0000	1242
10	4.83		0.000000	1310592	VV	0.0000	1242
11	5.31		0.000000	1218847	VV	0.0000	
12	5.62		0.000000	1127713	VV	0.0000	
13	6.70		0.000000	6540183	VV	0.0000	
14	7.37		0.000000	1760723	VV	0.0000	
15	9.47		0.000000	161417	BV	0.0000	
16	10.03		0.000000	456289	VV	0.0000	
17	11.20		0.000000	219166	PV	0.0000	
18	13.01		0.000000	449898	PV	0.0000	
19	15.17		0.000000	114335	BV	0.0000	
20	16.29		0.000000	650074	FF	0.0000	
21	17.05		0.000000	132464	FF	0.0000	1260
22	19.43		0.000000	276768	FF	0.0000	1260
23	20.49		0.000000	66537	FF	0.0000	
24	23.91		0.000000	657564	FF	0.0000	1260
25	28.53		0.000000	1420484	FF	0.0000	DBC
26	30.41		0.000000	272054	FF	0.0000	
27	32.91		0.000000	88520	FF	0.0000	

Total Area   :   26138180   Total PPB   :   0.000

Report Time : 0837 20Mar1997
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
●sult File   : /DATA/LOOP/RESULT/D2A44BQ_032.RES

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS03

●

Lab Name: IEA-NJ

Matrix: (soil/water): SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 31 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume: 10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N) N   pH: _____

Client: Allied Signal Inc.

Lab Sample ID: 71102005

Lab File ID: D2B44BQ 034

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
		240	U
12674-11-2	Aroclor-1016	240	U
11104-28-2	Aroclor-1221	240	U
11141-16-5	Aroclor-1232	3000	
53469-21-9	Aroclor-1242	240	U
12672-29-6	Aroclor-1248	240	U
11097-69-1	Aroclor-1254	260	
11096-82-5	Aroclor-1260		

IEA Pesticide Standard Report

Sample Name : 71102005 SS03 5XDL   Inj 1840 19Mar1997
Result File : /DATA/LOOP/RESULT/D2B44BQ_034.RES   INSTRUMENT: HP58902B
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.834 1.071
1.681
1.968 2.188
2.550 2.750
3.158   3.483
3.783
4.033 4.317
5.075
5.425
5.983 6.292
7.417
8.975
9.692
10.975
11.633
12.342
13.942
15.817
17.033
21.208
24.417
27.042
31.683
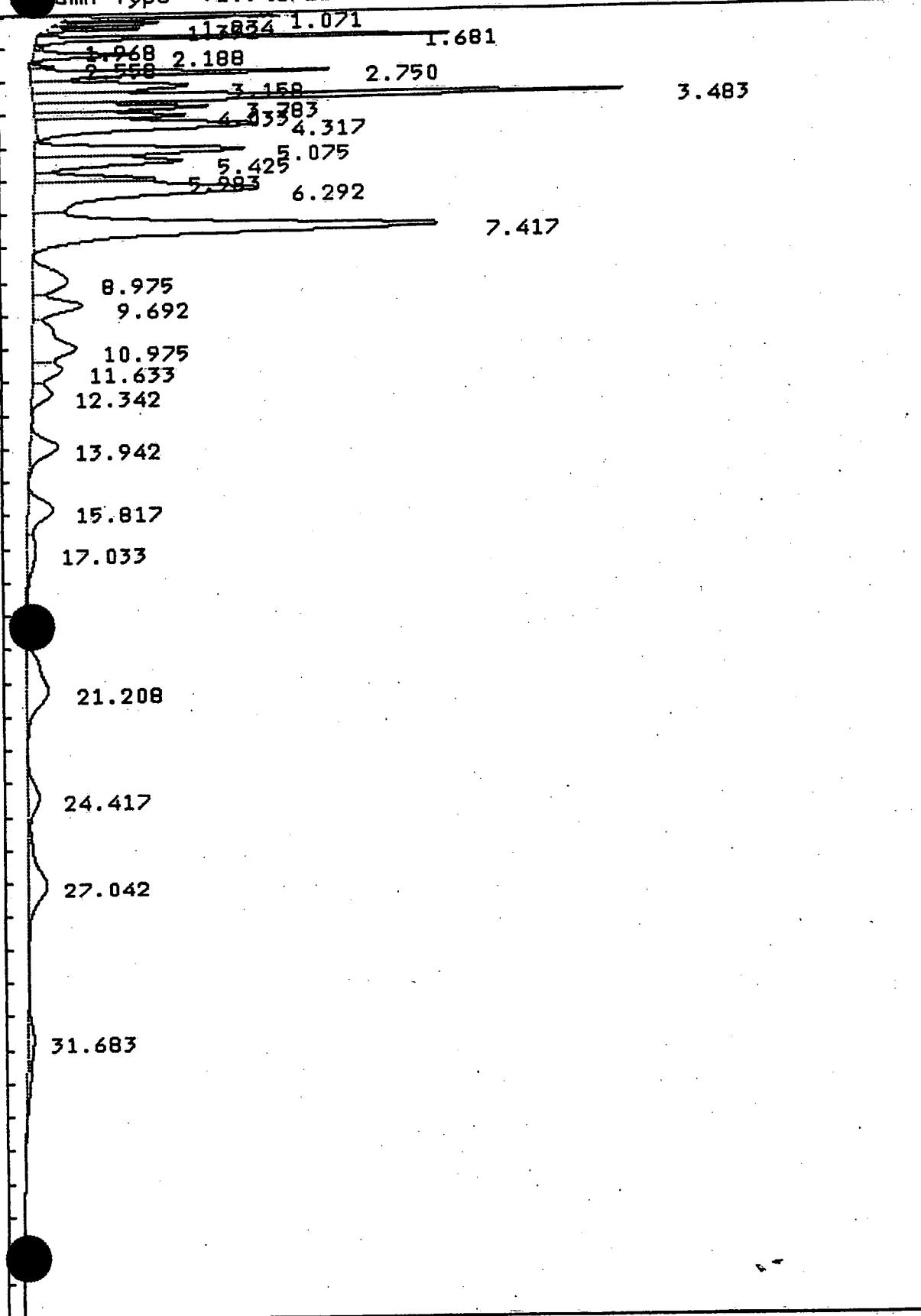
IEA Pesticide Standard Report

Report No :446.01

Sample Name   : 71102005 SS03 5XDL
Result File   : /DATA/LOOP/RESULT/D2844BQ_034.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1840 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2844BQ.SEQ
Subseq/Sample : 1/ 34   Bottle no. : 35

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	101443	BV	0.0000	
2	1.23		0.000000	69194	PV	0.0000	
3	1.39		0.000000	56731	VV	0.0000	
4	1.68	1.65	0.000000	324037	PV	0.0000	TCX
5	1.97		0.000000	6157	VV	0.0000	
6	2.19		0.000000	110009	VV	0.0000	
7	2.56		0.000000	15310	FF	0.0000	
8	2.75		0.000000	314501	FF	0.0000	
9	3.16		0.000000	279207	FF	0.0000	
10	3.48		0.000000	715012	FF	0.0000	1242
11	3.78		0.000000	237075	FF	0.0000	1242
12	4.03		0.000000	176970	FF	0.0000	
13	4.32		0.000000	515431	FF	0.0000	1242
14	5.07		0.000000	384302	FF	0.0000	
15	5.43		0.000000	303644	FF	0.0000	
16	5.98		0.000000	177507	FF	0.0000	
17	6.29		0.000000	720293	FF	0.0000	
18	7.42		0.000000	1166905	FF	0.0000	
19	8.98		0.000000	161946	FF	0.0000	
20	9.69		0.000000	157882	FF	0.0000	
21	10.98		0.000000	237197	FF	0.0000	
22	11.63		0.000000	106514	FF	0.0000	
23	12.34		0.000000	72159	FF	0.0000	
24	13.94		0.000000	121943	FF	0.0000	
25	15.82		0.000000	132127	FF	0.0000	
26	17.03		0.000000	71146	FF	0.0000	
27	21.21		0.000000	217695	FF	0.0000	1260
28	24.42		0.000000	85715	FF	0.0000	1260
29	27.04	#27.00	0.000000	208193	FF	0.0000	DBC
30	31.68		0.000000	86518	FF	0.0000	1260

Total Area   :   7332770   Total PPB   :   0.000

Report Time   : 0822 20Mar1997
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2844BQ_034.RES

Sample Name : 71102005 SS03 5XDL   Inj 1922 19Mar1997

Result File : /DATA/LOOP/RESULT/D2A44BQ_035.RES   INSTRUMENT: HP58902A
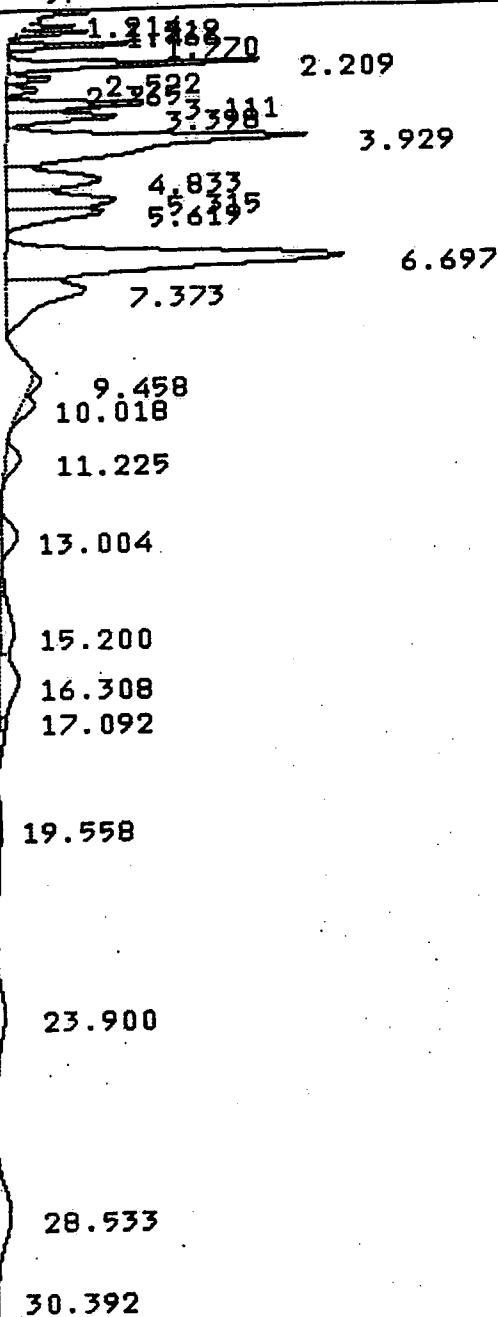
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

Peak retention times labeled on chromatogram:
1.91418, 1.570, 2.209, 2.522, 2.682, 3.111, 3.398, 3.929, 4.833, 5.619, 6.697, 7.373, 9.458, 10.018, 11.225, 13.004, 15.200, 16.308, 17.092, 19.558, 23.900, 28.533, 30.392

IEA Pesticide Standard Report

Sample Name	: 71102005 SS03 5XDL	Report No :450.01
Result File	: /DATA/LOOP/RESULT/D2A44BQ_035.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 1922 19Mar1997	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ	
Subseq/Sample	: 1/ 35	Bottle no. : 35

% Dil-Fact
  100.00

Run Status   : RunStatusOK
              EndOffBaseline
              NoReference
              SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.21		0.000000	11494	PV	0.0000	
2	1.32		0.000000	178688	VV	0.0000	
3	1.47		0.000000	342718	VV	0.0000	
4	1.77		0.000000	781775	PV	0.0000	
5	2.21		0.000000	1883028	VV	0.0000 TCK	
6	2.52		0.000000	360094	VV	0.0000	
7	2.76		0.000000	256331	VV	0.0000	
8	3.11		0.000000	1473109	PV	0.0000 1242	
9	3.40		0.000000	1199809	VV	0.0000	
10	3.93		0.000000	6376941	VV	0.0000 1242	
11	4.83		0.000000	2021282	VV	0.0000 1242	
12	5.31		0.000000	1925434	VV	0.0000	
13	5.62		0.000000	1772710	VV	0.0000	
14	6.70		0.000000	8063289	PV	0.0000	
15	7.37		0.000000	2455358	VV	0.0000	
16	9.46		0.000000	176547	BV	0.0000	
17	10.02		0.000000	285682	VV	0.0000	
18	11.23		0.000000	408264	PV	0.0000	
19	13.00		0.000000	579873	PV	0.0000	
20	15.20		0.000000	841536	FF	0.0000 1260	GOS 3.31.97
21	16.31		0.000000	1078062	FF	0.0000 1260	
22	17.09		0.000000	307835	FF	0.0000 1260	
23	19.56		0.000000	293708	FF	0.0000 1260	
24	23.90		0.000000	709292	FF	0.0000 DBL	
25	28.53		0.000000	1420040	FF	0.0000	
26	30.39		0.000000	348272	FF		

Total Area   :   35551184   Total PPB   :   0.000

Report Time	: 0833 20Mar1997
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH
Result File	: /DATA/LOOP/RESULT/D2A44BQ_035.RES

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS04

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 31 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (µL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:____

Client: Allied Signal Inc.

Lab Sample ID: 71102008

Lab File ID: D2B44BQ 032

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
12674-11-2	Aroclor-1016	240	U
11104-28-2	Aroclor-1221	240	U
11141-16-5	Aroclor-1232	240	U
469-21-9	Aroclor-1242	3200	
2672-29-6	Aroclor-1248	240	U
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	450	

FORM 1 PEST

3/90

IEA Pesticide Standard Report

Sample Name   : 71102008 SS04 5XDL   Inj 1715 19Mar1997
                                                        INSTRUMENT: HP58902B
Result File   : /DATA20/LOOP/RESULT/D2B44BQ_032.RES
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.683

2.742

3.467

3.167

4.308

5.417

5.975   6.283

7.408

8.317

8.950

9.671

10.399

10.956

11.597

12.342

13.931

15.764

16.942

21.213

24.416

26.055

27.050

28.150

31.642
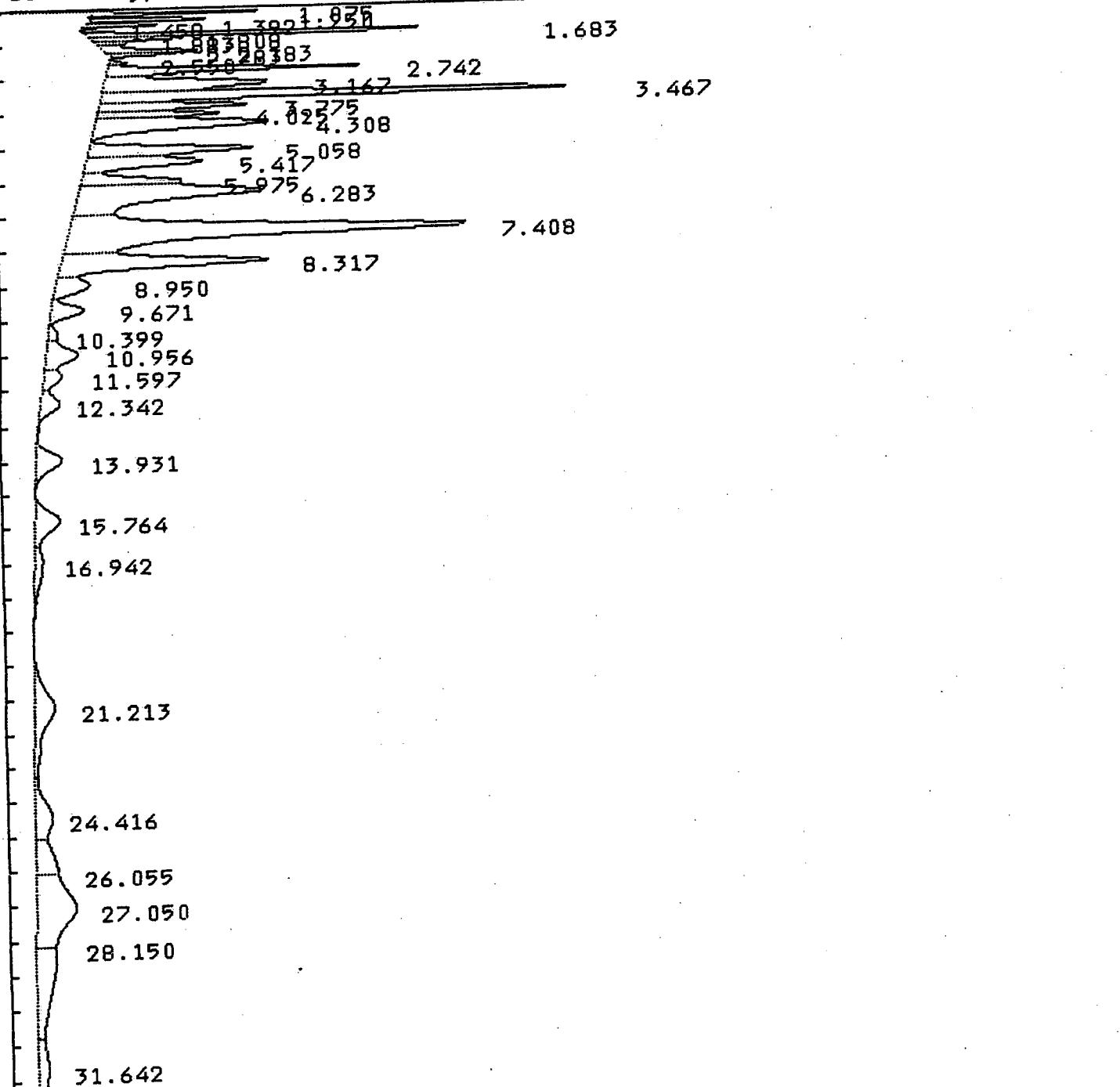
IEA Pesticide Standard Report

Sample Name   : 71102008 SS04 5XDL   Report No : 444.02
Result File   : /DATA20/LOOP/RESULT/D2B44BQ_032.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1715 19Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample   : 1/ 32   Bottle no. : 33

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.08		0.000000	106167	FF	0.0000	
2	1.25		0.000000	99446	FF	0.0000	
3	1.39		0.000000	60081	FF	0.0000	
4	1.46		0.000000	4745	FF	0.0000	
5	1.68	1.65	0.000000	340712	FF	0.0000	TCX
6	1.81		0.000000	73483	FF	0.0000	
7	1.88		0.000000	36510	FF	0.0000	
8	2.18		0.000000	125878	FF	0.0000	
9	2.28		0.000000	53725	FF	0.0000	
10	2.55		0.000000	18055	FF	0.0000	
11	2.74		0.000000	353115	FF	0.0000	
12	3.17		0.000000	430972	FF	0.0000	
13	3.47		0.000000	767818	FF	0.0000	1242
14	3.78		0.000000	262093	FF	0.0000	1242
15	4.02		0.000000	208400	FF	0.0000	
16	4.31		0.000000	526833	FF	0.0000	1242
17	5.06		0.000000	410352	FF	0.0000	
18	5.42		0.000000	307218	FF	0.0000	
19	5.98		0.000000	215651	FF	0.0000	
20	6.28		0.000000	836570	FF	0.0000	
21	7.41		0.000000	1716983	FF	0.0000	
22	8.32		0.000000	697715	FF	0.0000	
23	8.95		0.000000	142862	FF	0.0000	
24	9.67		0.000000	120357	UV	0.0000	
25	10.40		0.000000	28683	UV	0.0000	
26	10.96		0.000000	162506	UV	0.0000	
27	11.60		0.000000	74721	UV	0.0000	
28	12.34		0.000000	92995	UV	0.0000	
29	13.93		0.000000	149180	PV	0.0000	
30	15.76		0.000000	177164	PV	0.0000	
31	16.94		0.000000	91687	UV	0.0000	
32	21.21		0.000000	285115	PV	0.0000	1260
33	24.42		0.000000	179490	UV	0.0000	1260
34	26.06		0.000000	171665	FF	0.0000	
35	27.05	#27.00	0.000000	597302	FF	0.0000	DBC
36	28.15		0.000000	353975	FF	0.0000	1260

IEA Pesticide Standard Report

Pk# RT	ID-tm	Peak Width	Area	Code	PPB	Name
37 31.64		0.000000	214080	VV	0.0000	

Total Area   :   10494306   Total PPB   :   0.000

Report Time   : 1448 01Apr1997
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA20/LOOP/RESULT/D2B44BQ_032.RES

IEA Pesticide Standard Report

Sample Name   : 71102008 SS04 5XDL   Inj 1757 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2A44BQ_033.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

2.215

2.530

3.936

4.852

6.014

6.705

7.399

9.461
10.035

11.234

13.041

14.143

15.231

16.308

19.486

23.929

28.564

33.990
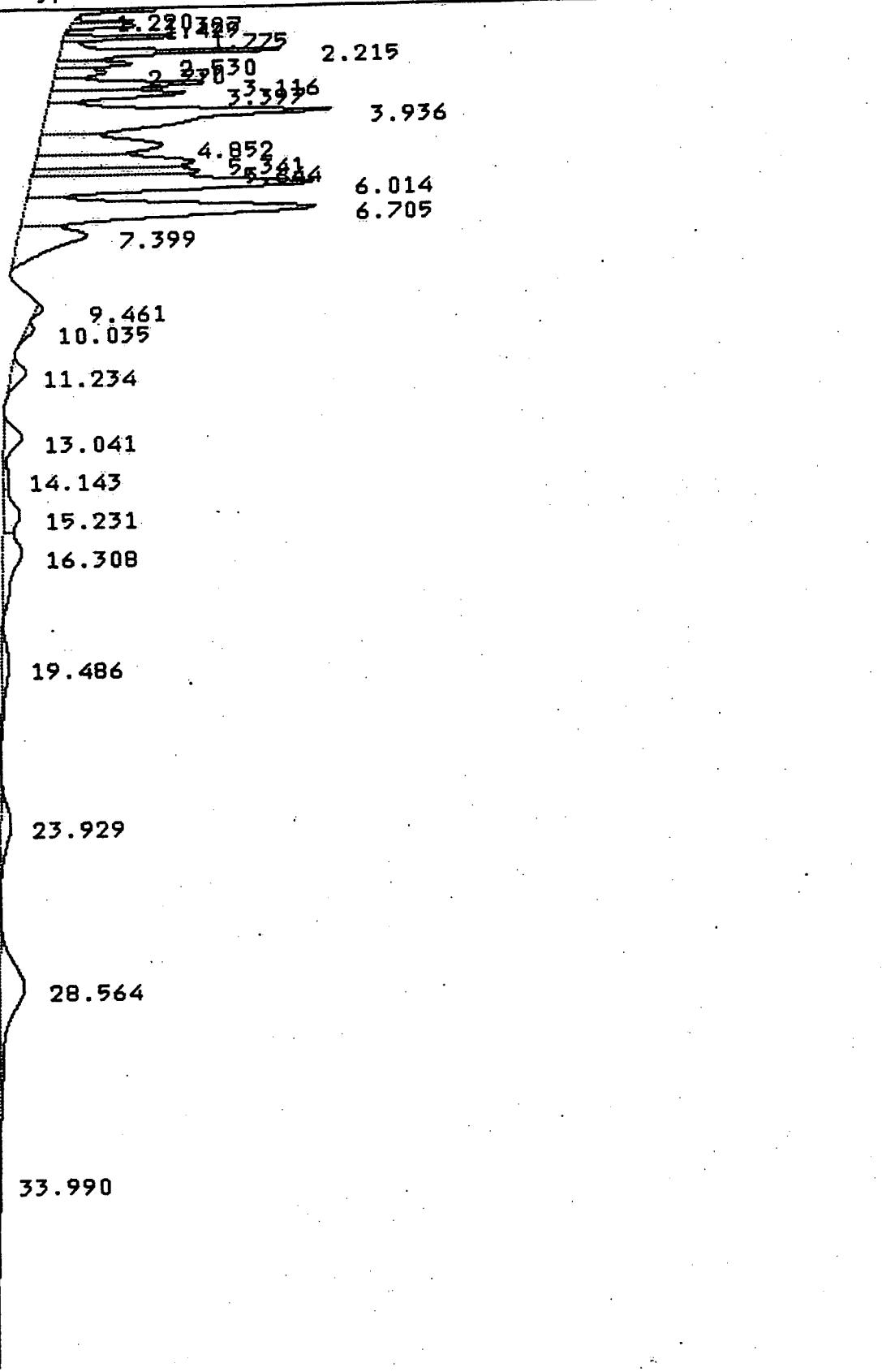
IEA Pesticide Standard Report

		Report No :448.01
Sample Name	: 71102008 SS04 5XDL	
Result File	: /DATA/LOOP/RESULT/D2A44BQ_033.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 1757 19Mar1997	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ	
Subseq/Sample	: 1/ 33	Bottle no. : 33

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.22		.035195	7901	PV	0.0000	
2	1.33		.064847	341136	PV	0.0000	
3	1.43		.102073	537991	VV	0.0000	
4	1.78		.111770	986520	PV	0.0000	
5	2.21		.163260	2758656	VV	0.0000	TCX
6	2.53		.175791	930158	VV	0.0000	
7	2.77		.218974	774357	VV	0.0000	
8	3.12		.207089	2227807	VV	0.0000	1242
9	3.40		.222467	2069990	VV	0.0000	
10	3.94		.428216	8371105	VV	0.0000	1242
11	4.85		.441454	3719423	VV	0.0000	1242
12	5.34		.334188	3630530	VV	0.0000	
13	5.64		.275600	3157277	VV	0.0000	
14	6.01		.349304	6798460	VV	0.0000	
15	6.71		.422629	8409104	VV	0.0000	
16	7.40		.627427	2907842	VV	0.0000	
17	9.46		.248963	99868	BV	0.0000	
18	10.03		.354988	168466	PV	0.0000	
19	11.23		.542395	543447	PV	0.0000	
20	13.04		.694435	869567	PV	0.0000	
21	14.14		.637732	238925	VV	0.0000	
22	15.23		.852840	972567	VV	0.0000	
23	16.31		1.298956	1684099	VV	0.0000	1260
24	19.49		1.722109	816234	VV	0.0000	1260
25	23.93		1.427177	1001854	PV	0.0000	1260
26	28.56		2.066074	3430580	PV	0.0000	DBC
27	33.99		2.940099	447016	VB	0.0000	

Total Area   :   57900880   Total PPB   :   0.000

Report Time	: 0905 20Mar1997	
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH	
Result File	: /DATA/LOOP/RESULT/D2A44BQ_033.RES	

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS05

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 25 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N   pH:____

Client: Allied Signal Inc.

Lab Sample ID: 71102009

Lab File ID: D2B44BQ_033

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	220	U
11141-16-5	Aroclor-1232	220	U
9469-21-9	Aroclor-1242	1800	
672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	550	

FORM 1 PEST

3/90

IEA Pesticide Standard Report

1.074
1.123
1.680
2.244
3.470
3.112
4.304
5.061
5.413
5.975
6.282
7.411
8.323
8.971
9.689
10.380
10.972
11.610
12.351
13.950
15.775
16.967
20.725
24.483
27.300
28.608
31.617
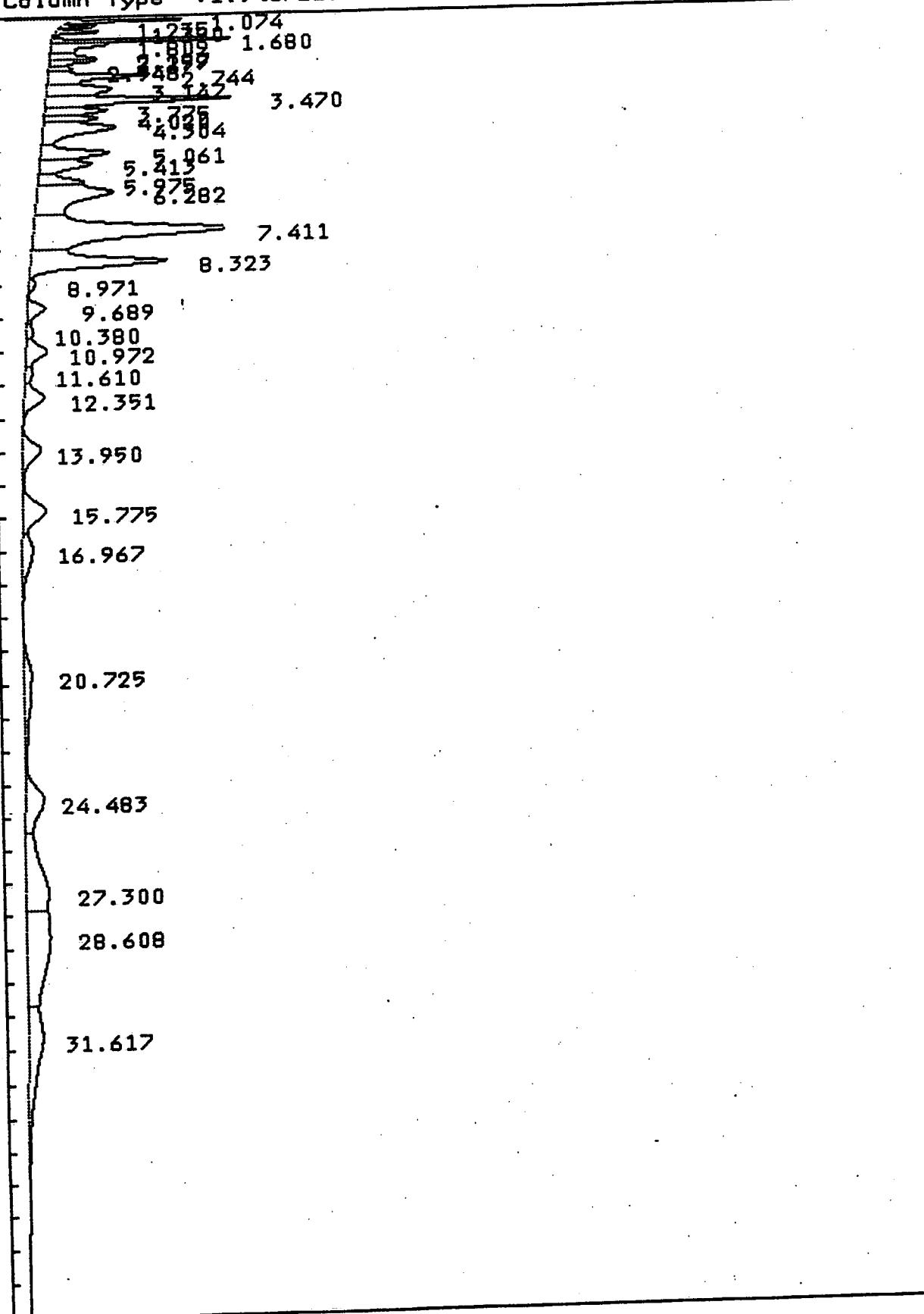
IEA Pesticide Standard Report

Sample Name   : 71102009 SS05 5XDL   Report No :445.01
Result File   : /DATA/LOOP/RESULT/D2B44BQ_033.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1757 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample : 1/ 33   Bottle no. : 34

% Dil-Fact
  100.00

Run Status   : RunStatusOK
             EndOffBaseline
             SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	100699	BV	0.0000	
2	1.24		0.000000	40383	PV	0.0000	
3	1.39		0.000000	42763	PV	0.0000	
4	1.68	1.65	0.000000	245653	PV	0.0000	TCX
5	1.81		0.000000	124950	VV	0.0000	
6	2.20		0.000000	70972	VV	0.0000	
7	2.26		0.000000	86223	VV	0.0000	
8	2.55		0.000000	46721	VV	0.0000	
9	2.74		0.000000	235300	VV	0.0000	
10	3.15		0.000000	239452	VV	0.0000	
11	3.47		0.000000	425505	VV	0.0000 1242	
12	3.77		0.000000	161873	VV	0.0000 1242	
13	4.02		0.000000	120898	VV	0.0000	
14	4.30		0.000000	342031	VV	0.0000 1242	
15	5.06		0.000000	239236	VV	0.0000	
16	5.41		0.000000	209323	VV	0.0000	
17	5.98		0.000000	139474	VV	0.0000	
18	6.28		0.000000	536489	VV	0.0000	
19	7.41		0.000000	1169402	VV	0.0000	
20	8.32		0.000000	617487	VV	0.0000	
21	8.97		0.000000	24436	VV	0.0000	
22	9.69		0.000000	89535	PV	0.0000	
23	10.38		0.000000	31145	VV	0.0000	
24	10.97		0.000000	137904	VV	0.0000	
25	11.61		0.000000	38163	VV	0.0000	
26	12.35		0.000000	135309	VV	0.0000	
27	13.95		0.000000	151310	FF	0.0000	
28	15.77		0.000000	218037	FF	0.0000	
29	16.97		0.000000	140580	FF	0.0000	
30	20.72		0.000000	199888	FF	0.0000 1260	
31	24.48		0.000000	283211	FF	0.0000 1260	
32	27.30	#27.00	0.000000	472380	FF	0.0000	DBC
33	28.61		0.000000	694879	FF	0.0000	
34	31.62		0.000000	407377	FF	0.0000 1260	

Total Area   :   8218990   Total PPB :   0.000

Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2844BQ_033.RES

IEA Pesticide Standard Report

Sample Name : 71102009 SS05 5XDL   Inj 1840 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_034.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

Sample Name	: 71102009 SS05 5XDL
Result File	: /DATA/LOOP/RESULT/D2A44BQ_034.RES
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT
Instrument	: HP58902A
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 1840 19Mar1997
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample	: 1/ 34
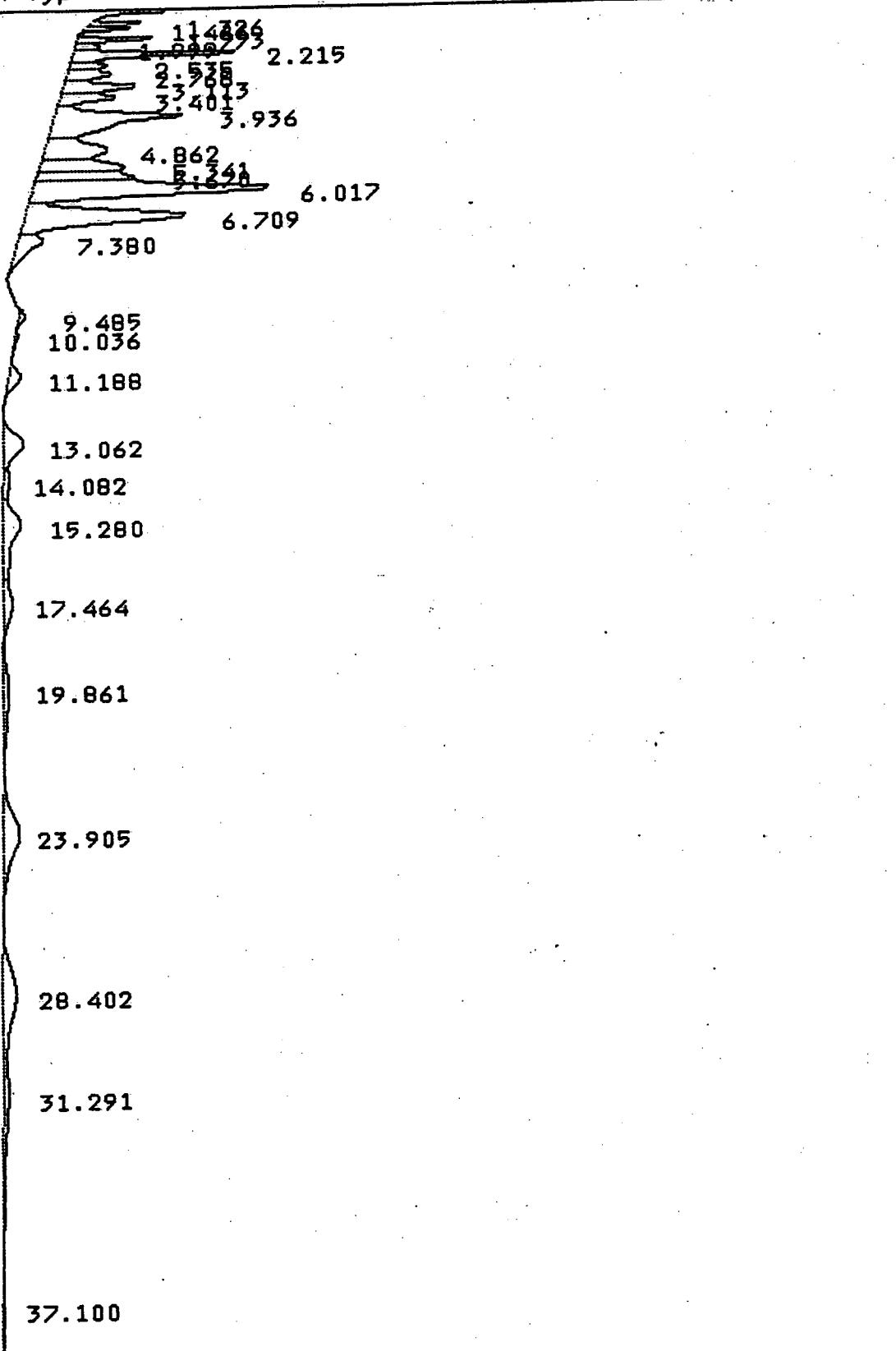
Report No :449.01

Inj. Vol: : 5 ul

Bottle no. : 34

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                    EndOffBaseline
                    NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.33		.064251	269696	PV	0.0000	
2	1.47		.086511	278785	VV	0.0000	
3	1.77		.114731	665806	PV	0.0000	
4	2.00		.148642	242068	VV	0.0000	TU
5	2.22		.145943	1763430	VV	0.0000	
6	2.54		.183440	470640	VV	0.0000	
7	2.77		.229936	697894	VV	0.0000	
8	3.11		.220636	1109717	VV	0.0000 1242	
9	3.40		.215979	829069	VV	0.0000	
10	3.94		.413796	3600381	VV	0.0000 1242	
11	4.86		.449595	1875153	VV	0.0000 1242	
12	5.34		.324824	1841065	VV	0.0000	
13	5.67		.250405	1650512	VV	0.0000	
14	6.02		.348161	5574980	VV	0.0000	
15	6.71		.399115	4312662	VV	0.0000	
16	7.38		.538040	901531	VV	0.0000	
17	9.49		.263300	92811	BV	0.0000	
18	10.04		.350155	44860	PV	0.0000	
19	11.19		.487646	384755	PV	0.0000	
20	13.06		.755877	1036302	PV	0.0000	
21	14.08		.684738	308338	VV	0.0000 1260 6DS 3.31.97
22	15.28		1.191888	1445305	VV	0.0000 1260	
23	17.46		1.152117	692442	VV	0.0000 1260	
24	19.86		1.740558	677858	VV	0.0000 1260	
25	23.90		1.468974	1612093	VV	0.0000 DBC	
26	28.40		1.929877	1755455	PV	0.0000	
27	31.29		3.099382	1068688	VV	0.0000	
28	37.10		2.445743	170958	VB	0.0000	

Total Area   :   35373264   Total PPB   :   0.000

Report Time	: 0756 20Mar1997
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH
Result File	: /DATA/LOOP/RESULT/D2A44BQ_034.RES

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ____71102002____   Date Received: __03/11/97__

Client Sample No: ___SS01FB___   Date Extracted: __03/18/97__

Extraction (SW846 - 3510) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: 03/25/97

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of the referenced standards. The quantitation limit is 0.10 mg/L.

Comments:

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: 03/18/97

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 0.25 mg/L.

Comments:

IEA GC/FID Standard Report

Sample Name   : 71102002;SS01FB;G;   Purged on Tue Mar 1?, 1997 1?:18:3?
Result File   : /DATA/LOOP/RESULT/D5AGAS07B_011.RES   INSTRUMENT: HP?3905A
Column Type   : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

.827

4.804

5.300

5.876

11.243

11.6?6

13.0??
13.??8

14.0??
14.??0
14.??0
14.??0
14.??0
14.??0

15.830   16.0??

16.7??
16.9??

17.64?

IEH GC/FID Standard Report

Report No . 26.00

```
Sample Name      : 71102002;SS01FB;G;
  ult File       : /DATA/LOOP/RESULT/D5AGAS07B_011.RES
  lumn Type      : DBWAX    30m 0.53 ID          Purge Vol. : 5 ml
Instrument       : HP58905A
Calculation      : Zero
Run Time         : 20.02 Mins.    Purged on Tue Mar 18, 199? 11:18:35 am
Sequence File    : /DATA/LOOP/SEQUENCE/S5AGAS07B.SEG
Subseq/Sample    :  1/ 11                    ALS no. : 12
```

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Coc	PPM	Name
1	.8?		.0-?169	1276	UU	.1738	
2	4.80		.094204	322209	PU	43.9157	くゃ2 TFT
3	5.30		.094944	1524	UU	.2077	
4	5.88		.094849	1914	PU	.2609	
5	11.24		.05 502	17?752	PU	24.4994	
6	11.64		.106859	1261	UU	.171?	
7	13.22		.104088	1241	BU	.169?	
8	13.3?		.105274	1454	UU	.1982	
9	13.49		.091235	1896	UU	.2584	
10	14.08		.112179	2023	UU	.2756	
11	14.2?		.122824	3188	UU	.4349	
12	14.54		.099459	1912	UU	.2609	
13	14.6?		.050764	2154	UU	.2935	
14	14.78		.074259	2136	UU	.2914	
15	14.90		.068387	1370	UU	.1868	
16	14.94		.065725	1409	UU	.1920	
17	15.18		.167260	4357	UU	.5938	
18	15.32		.102725	1755	UU	.2391	
19	15.47		.100646	2396	UU	.3266	
20	15.84		.147486	2787	PU	.3799	
21	16.06		.442739	132927	UU	18.1174	
22	16.72		.211492	24105	UU	7.2854	
23	16.98		.421953	35193	UU	4.7966	
24	17.65		.088825	3462	UU	.4718	
```
Total Area       :           733700    Total PPM  :       100.000

Report Time      : Tue Mar 18, 1997 11:39:10 am
Method           : /DATA/LOOP/METHOD/HP58905AGAS.
Result File      : /DATA/LOOP/RESULT/D5AGAS07B_011.
```

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102002 SS01FB   Inj on Tue Mar 25, 1997 4:58:38 pm
Result File   : /DATA/LOOP/RESULT/D3AT05E_005.RES   INSTRUMENT : HP585
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.693
4.820
5.179
5.541
5.676
6.044

6.873
7.388
7.737

8.232   8.516
8.821
9.022
9.229

10.592

11.394

12.893
13.265
13.492   13.720

14.851
15.360

17.525

19.387

22.177

22.931

24.435
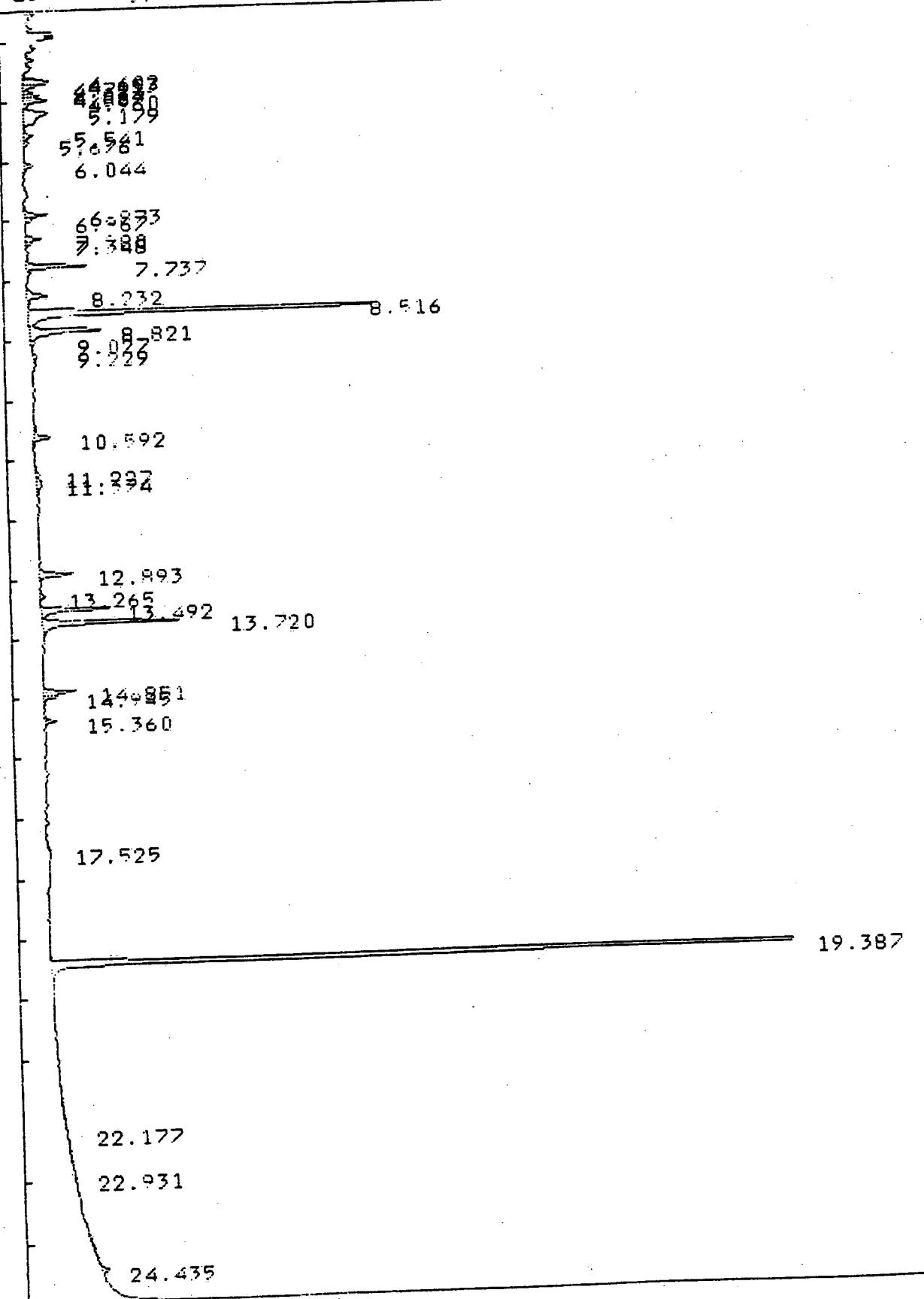
IFH GC/FID Standard Report

DB 5
Sample Name   : 71102002 SS01FB
Result File   : /DATA/LOOP/RESULT/D3AT05E_005.RES
Column Type   : DB-5 30m 0.53mm ID
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 25.00 Mins.   Injected on Tue Mar 25, 1997 4:58:38 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S3AT05E.SEQ
Subseq/Sample   : 1/ 5

Report No : 20.00

Inj. Vol. : 1 ul

Bottle no. : 5

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.60		.038839	4823	BV	.5205	
2	4.65		.054144	9868	VV	1.0649	
3	4.71		.052762	4745	VV	.5121	
4	4.83		.044569	2898	VV	.3127	
5	4.89		.051265	5415	VV	.5844	
6	4.96		.055041	9078	VV	.9797	
7	5.18		.170695	25639	VV	2.7670	
8	5.54		.072437	5067	PV	.5468	
9	5.68		.063412	2330	VV	.2515	
10	6.04		.072996	4546	BV	.4906	
11	6.87		.057539	9245	VV	.9978	
12	6.97		.060060	3467	VV	.3741	
13	7.28		.056886	6692	PV	.7222	
14	7.35		.058832	2933	VV	.3165	
15	7.74		.053132	21880	VV	2.3613	
16	8.23		.077972	10946	VV	1.1813	
17	8.52		.056263	157751	PV	17.0246	
18	8.82		.068968	36897	VV	3.9820	
19	9.03		.071857	2094	VV	.2259	
20	9.23		.096774	3550	PV	.3831	
21	10.59		.073064	8975	BV	.9686	
22	11.23		.123439	2877	PV	.3105	
23	11.37		.150834	5880	VV	.6346	
24	12.89		.068169	15919	VV	1.7180	
25	13.27		.064390	2422	VV	.2614	
26	13.49		.063911	30963	PV	3.3415	
27	13.72		.058889	59841	VV	6.4581	
28	14.85		.066109	15162	PV	1.6363	
29	14.95		.068127	6784	VV	.7321	
30	15.36		.050604	4143	PV	.4471	
31	17.53		.054544	982	PV	.1060	
32	19.39		.048535	442099	BV	47.7117	o-TERPHENYL
33	22.18		.271484	-1634	PV	-.1763	
34	22.93		.051960	-250	PV	-.0269	
35	24.43		.012854	695	BV	.0750	

Total Area   :   926605   Total PPM   :   99.797

Re   rt Time   : Tue Mar 25, 1997   5:24:34 pm

                        IEA GC/FID Standard Report

DB 5
Me   od   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05E_005.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ___71102001___   Date Received: __03/11/97__

Client Sample No: ___SS01___   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 160 mg/kg.

Comments: The sample was analyzed with a 10 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 2.9 mg/kg.

Comments:

IEA GC/FID Standard Report
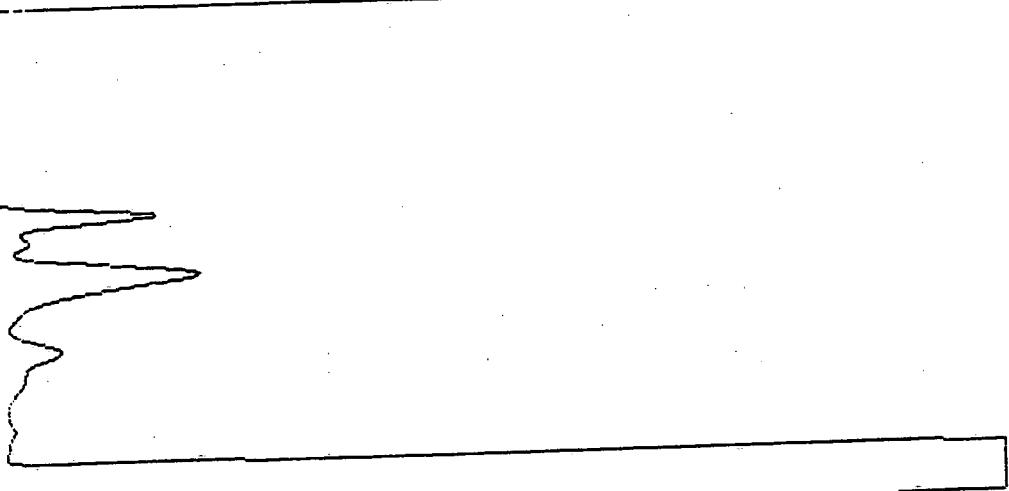
4.801

5.314

5.651
5.958
5.883

7.333
7.483
7.692
7.833

8.684
8.839

9.416

10.342
10.416
10.677

11.237

11.694
11.849

12.060
12.168

IEA GC/FID Standard Report

Sample Name	: 71102001;SS01;G;
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_005.RES
Column Type	: DBWAX 30m 0.53 ID
Instrument	: HP58905A
Calculation	: Zero
Run Time	: 20.02 Mins. Purged on Tue Mar 25, 1997 12:11:54 pm
Sequence File	: /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample	: 1/ 5

Report No : 5.20

Purge Vol. : 5 ml

ALS no. : 6

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.80		.085993	268594	BV	49.4598	TPT
2	5.31		.083716	1418	BV	.2610	
3	5.65		.092730	1164	VV	.2144	
4	5.76		.087965	2140	VV	.3941	
5	5.88		.096400	7847	VV	1.4450	
6	7.33		.108362	10045	PV	1.8497	
7	7.48		.155333	4653	VV	.8569	
8	7.70		.078925	1434	VV	.2641	
9	7.83		.126550	4019	VV	.7402	
10	8.68		.113463	3378	PV	.6221	
11	8.84		.092786	1392	VV	.2564	
12	9.42		.101276	1713	VV	.3154	
13	10.34		.071211	1970	VV	.3628	
14	10.42		.065350	1178	VV	.2169	
15	10.68		.099986	1840	VV	.3388	
16	11.24		.047088	217830	VV	40.1120	
17	11.62		.064015	1790	VV	.3296	
18	11.70		.052784	3161	VV	.5822	
19	11.95		.043109	3666	PV	.6751	
20	12.00		.045391	3821	VV	.7036	

Total Area   :   543054   Total PPM   :   100.000

Report Time	: Tue Apr 1, 1997 10:28:34 am
Method	: /DATA/LOOP/METHOD/HP58905AG5.M
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_005.

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102001 SS01 10xDL   Inj on Tue Apr 1, 1997 12:14:22 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_019.RES   INSTRUMENT : HP589
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

5.734 573

6.504   6.870

8.526

9.193

10.599

11.351

12.875
13.090
13.503
13.25

15.849
15.257
16.373

18.482
18.014
18.583
18.704
19.279
19.545
19.828
20.011

21.137
21.635
21.300

22.398
22.645

24.398
24.583

IEA GC/FID Standard Report

DB 5
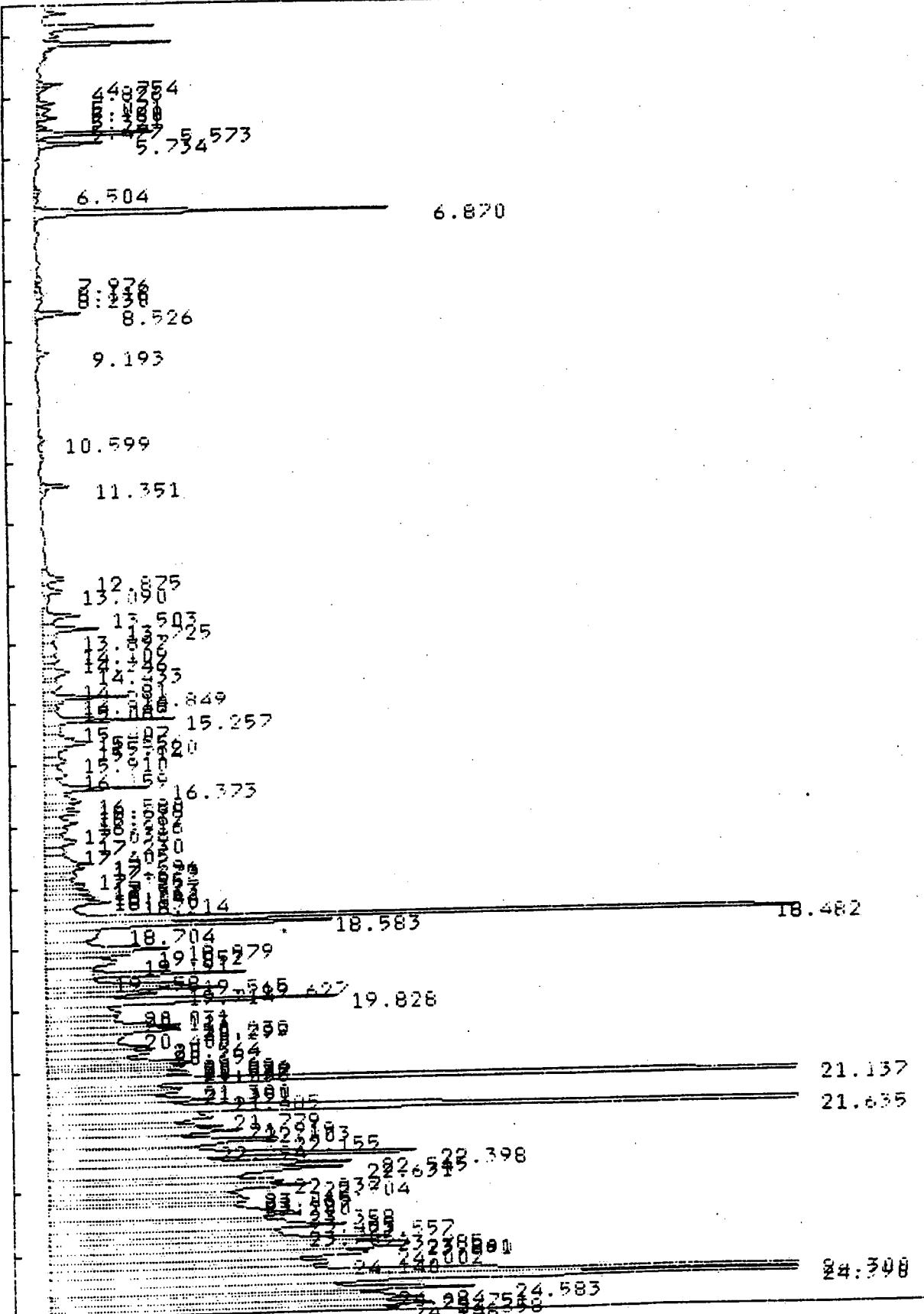
Sample Name	:	71102001 SS01 10%DL	Report No : 39.11
Result File	:	/DATA/LOOP/RESULT/D3AT05F_019.RES	
Column Type	:	DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	:	HP58903A	
Calculation	:	Zero	
Run Time	:	25.00 Mins. Injected on Tue Apr 1, 1997 12:14:22 pm	
Sequence File	:	/DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Subseq/Sample	:	1/ 19	Bottle no. : 19

% Dil-Fact
     100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.75		0.000000	7695	UU	.0775	
2	4.83		0.000000	4914	UU	.0495	
3	5.07		0.000000	6255	UU	.0630	
4	5.18		0.000000	8210	UU	.0827	
5	5.32		0.000000	8341	UU	.0840	
6	5.48		0.000000	3157	PV	.0318	
7	5.57		0.000000	41047	UU	.4136	
8	5.73		0.000000	24610	UU	.2480	
9	6.50		0.000000	4130	BV	.0416	
10	6.87		0.000000	134285	PV	1.3530	
11	7.98		0.000000	3330	UU	.0335	
12	8.12		0.000000	2211	PV	.0223	
13	8.23		0.000000	4234	UU	.0427	
14	8.53		0.000000	17815	UU	.1795	
15	9.19		0.000000	6012	PV	.0606	
16	10.60		0.000000	1283	PH	.0129	
17	11.35		0.000000	13617	HH	.1372	
18	12.88		0.000000	18966	HH	.1911	
19	13.09		0.000000	13705	HH	.1381	
20	13.50		0.000000	28615	HH	.2883	
21	13.73		0.000000	30966	HH	.3120	
22	13.90		0.000000	9854	HH	.0993	
23	14.11		0.000000	18031	HH	.1817	
24	14.25		0.000000	10124	HH	.1020	
25	14.43		0.000000	18686	HH	.1883	
26	14.68		0.000000	15477	HH	.1559	
27	14.85		0.000000	36612	HH	.3689	
28	14.95		0.000000	11265	HH	.1135	
29	15.06		0.000000	9779	HH	.0985	
30	15.26		0.000000	61637	HH	.6210	
31	15.41		0.000000	15379	HH	.1550	
32	15.56		0.000000	11348	HH	.1143	
33	15.62		0.000000	24642	HH	.2483	
34	15.71		0.000000	17180	HH	.1731	
35	15.91		0.000000	17691	HH	.1783	
36	16.16		0.000000	24404	HH	.2459	

DB 5

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	16.37		0.000000	59086	HH	.5953	
38	16.58		0.000000	26162	HH	.2636	
39	16.66		0.000000	14676	HH	.1479	
40	16.76		0.000000	19937	HH	.2009	
41	16.92		0.000000	21411	HH	.2157	
42	17.04		0.000000	14967	HH	.1508	
43	17.23		0.000000	24533	HH	.2472	
44	17.40		0.000000	16905	HH	.1703	
45	17.60		0.000000	34548	HH	.3481	
46	17.67		0.000000	22401	HH	.2257	
47	17.79		0.000000	23059	HH	.2323	
48	17.93		0.000000	17024	HH	.1715	
49	17.96		0.000000	12747	HH	.1284	
50	18.04		0.000000	20730	HH	.2089	
51	18.13		0.000000	23474	HH	.2365	
52	18.21		0.000000	45793	HH	.4614	
53	18.48		0.000000	333221	HH	3.3574	
54	18.58		0.000000	126749	HH	1.2771	
55	18.70		0.000000	57637	HH	.5807	
56	18.98		0.000000	73303	HH	.7386	
57	19.05		0.000000	46199	HH	.4655	
58	19.19		0.000000	62991	HH	.6347	
59	19.40		0.000000	48773	FF	.4914	O-TERPHENYL
60	19.46		0.000000	54144	HH	.5455	
61	19.57		0.000000	73720	HH	.7428	
62	19.63		0.000000	68815	HH	.6934	
63	19.71		0.000000	50158	HH	.5054	
64	19.83		0.000000	163430	HH	1.6467	
65	20.03		0.000000	56779	HH	.5721	
66	20.11		0.000000	30608	HH	.3084	
67	20.23		0.000000	73317	HH	.7387	
68	20.30		0.000000	69568	HH	.7009	
69	20.40		0.000000	62745	HH	.6322	
70	20.56		0.000000	54503	HH	.5492	
71	20.65		0.000000	76979	HH	.7756	
72	20.82		0.000000	90013	HH	.9069	
73	20.89		0.000000	50051	HH	.5043	
74	20.94		0.000000	40648	HH	.4096	
75	21.01		0.000000	77881	HH	.7847	
76	21.14		0.000000	591719	HH	5.9619	
77	21.30		0.000000	77221	HH	.7780	
78	21.35		0.000000	52762	HH	.5316	
79	21.48		0.000000	119558	HH	1.2046	
80	21.63		0.000000	594680	HH	5.9918	
81	21.78		0.000000	150679	HH	1.5182	
82	21.92		0.000000	84936	HH	.8558	
83	22.00		0.000000	129073	HH	1.3005	
84	22.15		0.000000	205522	HH	2.0708	
85	22.29		0.000000	36131	HH	.3640	
86	22.40		0.000000	251398	HH	2.5330	
87	22.55		0.000000	179916	HH	1.8128	
88	22.63		0.000000	283855	HH	2.8600	
89	22.84		0.000000	107327	HH	1.0814	

5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	22.90		0.000000	185341	HH	1.8674	
91	23.06		0.000000	85717	HH	.8632	
92	23.13		0.000000	125279	HH	1.2623	
93	23.20		0.000000	47216	HH	.4757	
94	23.36		0.000000	285232	HH	2.8739	
95	23.48		0.000000	91815	HH	.9251	
96	23.56		0.000000	211089	HH	2.1269	
97	23.71		0.000000	144771	HH	1.4587	
98	23.78		0.000000	166568	HH	1.6783	
99	23.86		0.000000	127155	HH	1.2812	
100	23.89		0.000000	175874	HH	1.7720	
101	24.00		0.000000	217204	HH	2.1885	
102	24.14		0.000000	189464	HH	1.9090	
103	24.30		0.000000	481043	HH	4.8468	
104	24.39		0.000000	585952	HH	5.9038	
105	24.58		0.000000	270284	HH	2.7233	
106	24.68		0.000000	125236	HH	1.2618	
107	24.75		0.000000	202329	HH	2.0386	
108	24.86		0.000000	249497	HH	2.5138	
109	24.95		0.000000	167894	HH	1.6916	

Total Area   :   9924934   Total PPM   :   100.000

Report Time   : Thu Apr 3, 1997 7:08:41 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05F_019.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis

Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ____71102003____   Date Received: __03/11/97__

Client Sample No: ____SS02____   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 2500 mg/kg.

Comments: The sample was analyzed with a 50 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 2.9 mg/kg.

Comments:

IEA GC/FID Standard Report

4.805

5.879

7.334
7.511
7.698
7.832

8.680

9.420

9.766

10.034

10.349

11.067
11.237

11.452

11.866
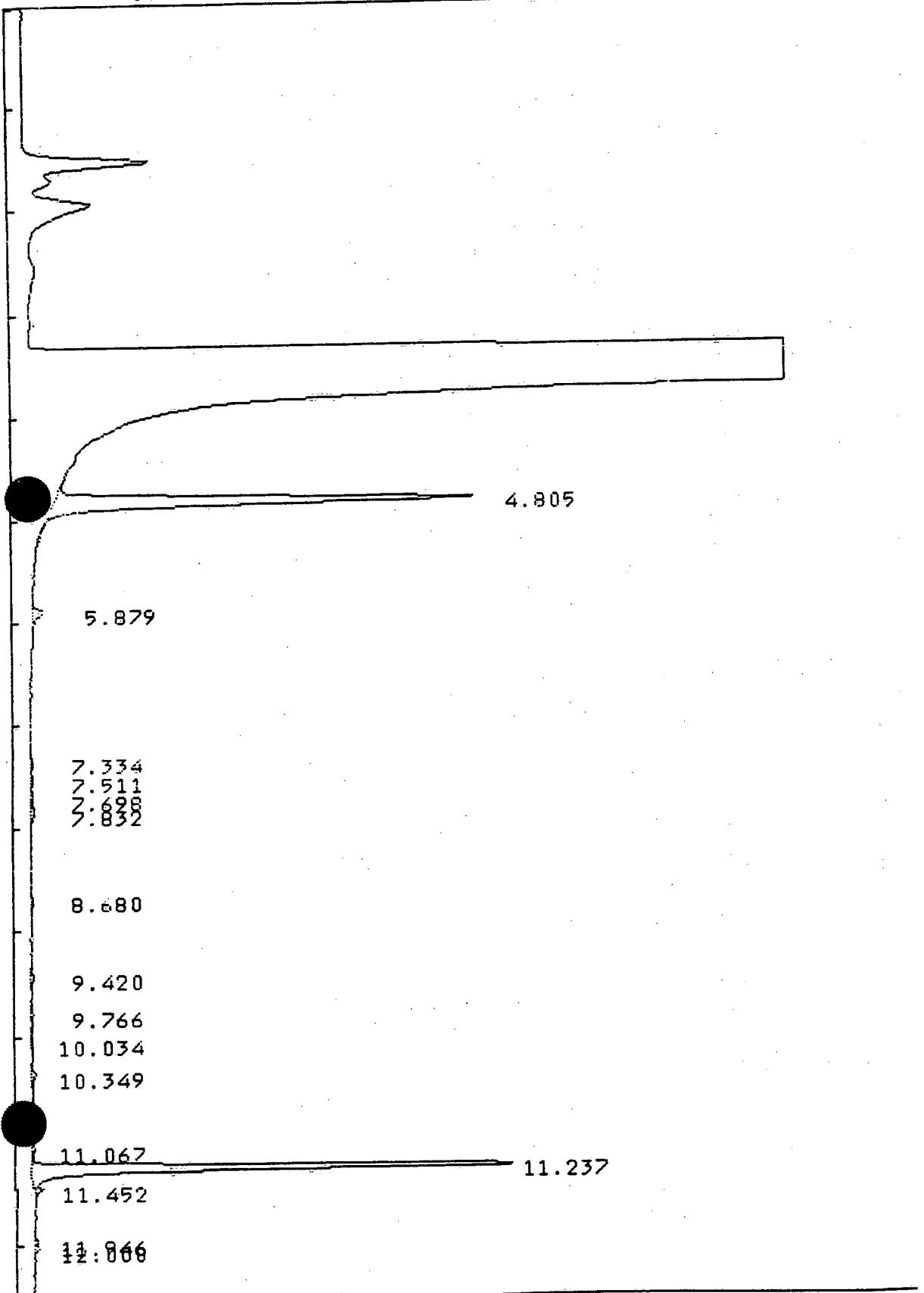
IEA GC/FID Standard Report

Report No : 6.20

Sample Name   : 71102003;SS02;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_006.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.02 Mins.   Purged on Tue Mar 25, 1997 12:33:50 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Susseq/Sample   : 1/ 6   ALS no. : 7

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                      EndOffBaseline
                      SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.81		.085056	258116	BV	53.0881	TFT
2	5.88		.087930	6921	PV	1.4235	
3	7.33		.110472	1159	PV	.2384	
4	7.51		.097912	1442	UU	.2967	
5	7.70		.090061	1294	UU	.2661	
6	7.83		.121046	3284	UU	.6755	
7	8.68		.076635	1210	PV	.2488	
8	9.42		.110391	1933	UU	.3975	
9	9.77		.086351	1318	UU	.2711	
10	10.03		.109289	1388	UU	.2855	
11	10.35		.087148	2555	PV	.5254	
12	11.07		.075463	1318	UU	.2711	
13	11.24		.048574	195971	PV	40.3065	
14	11.45		.072669	5020	UU	1.0326	
15	11.95		.043442	1198	UU	.2463	
16	12.00		.052654	2075	UU	.4268	

Total Area   :   486203   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:31:30 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_006.

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102003 SS02 50XDL   Inj on Tue Apr 1, 1997 1:03:08 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_020.RES   INSTRUMENT : HP589
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

5.324
5.590

6.503

8.248
8.532
9.032
9.184

9.942

10.836

11.339
11.471

12.450

12.855
13.086

13.495
13.203
13.110
14.426
14.250
14.842
15.250
15.395
15.607
15.208
16.365
16.195

16.520
16.904

17.623

17.699

18.186 18.207
18.683
18.692
18.975
19.467
19.567 19.633
19.833

20.233
20.308
20.567
20.833
21.017 21.144
21.295
21.401 21.441
22.131
22.148
22.249
23.859
23.154
23.685 23.781
24.135
24.331

IEA GC/FID Standard Report

DB 5

Sample Name	: 71102003 SS02 50XDL	Report No : 40.11
Result File	: /DATA/LOOP/RESULT/D3AT05F_020.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 25.00 Mins. Injected on Tue Apr 1, 1997 1:03:08 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Subseq/Sample	: 1/ 20	Bottle no. : 20

% Dil-Fact
   100.00

Run Status   : RunStatusOK
               EndOffBaseline
               SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PF#	Name
1	5.32		0.000000	12375	UU	.0411	
2	5.59		0.000000	8150	PU	.0271	
3	6.50		0.000000	7478	BU	.0248	
4	8.24		0.000000	4240	UU	.0141	
5	8.33		0.000000	9167	UU	.0305	
6	8.53		0.000000	4357	UU	.0145	
7	9.03		0.000000	3595	UU	.0119	
8	9.18		0.000000	16253	PU	.0540	
9	9.94		0.000000	1265	PU	.0042	
10	10.80		0.000000	5428	HH	.0180	
11	10.90		0.000000	7472	HH	.0248	
12	11.34		0.000000	84857	HH	.2819	
13	11.47		0.000000	12774	HH	.0424	
14	12.45		0.000000	6969	HH	.0232	
15	12.86		0.000000	63295	HH	.2103	
16	13.09		0.000000	46464	HH	.1544	
17	13.50		0.000000	18685	HH	.0621	
18	13.72		0.000000	21564	HH	.0716	
19	13.91		0.000000	20765	HH	.0690	
20	14.11		0.000000	31194	HH	.1036	
21	14.24		0.000000	34610	HH	.1150	
22	14.34		0.000000	9183	HH	.0305	
23	14.43		0.000000	66123	HH	.2197	
24	14.55		0.000000	17378	HH	.0577	
25	14.68		0.000000	43393	HH	.1442	
26	14.84		0.000000	133276	HH	.4427	
27	14.93		0.000000	16503	HH	.0548	
28	15.06		0.000000	12301	HH	.0409	
29	15.16		0.000000	17404	HH	.0578	
30	15.25		0.000000	244205	HH	.8113	
31	15.39		0.000000	43622	HH	.1449	
32	15.54		0.000000	29591	HH	.0983	
33	15.61		0.000000	101810	HH	.3382	
34	15.71		0.000000	36769	HH	.1221	
35	15.91		0.000000	74090	HH	.2461	
36	16.10		0.000000	31806	HH	.1057	

IEA GC/FID Standard Report

5

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	16.15		0.000000	34462	HH	.1145	
38	16.37		0.000000	272548	HH	.9054	
39	16.57		0.000000	118123	HH	.3924	
40	16.65		0.000000	55600	HH	.1847	
41	16.75		0.000000	75727	HH	.2516	
42	16.90		0.000000	88522	HH	.2941	
43	17.03		0.000000	50615	HH	.1681	
44	17.22		0.000000	85127	HH	.2828	
45	17.36		0.000000	56664	HH	.1882	
46	17.59		0.000000	125498	HH	.4169	
47	17.67		0.000000	87155	HH	.2895	
48	17.79		0.000000	82936	HH	.2755	
49	17.92		0.000000	59864	HH	.1989	
50	17.96		0.000000	53478	HH	.1777	
51	18.03		0.000000	53662	HH	.1783	
52	18.13		0.000000	86634	HH	.2878	
53	18.21		0.000000	147791	HH	.4910	
54	18.48		0.000000	1345579	HS	4.4700	
55	18.58		0.000000	588365	FF	1.9546	
56	18.69		0.000000	98032	FF	.3257	
57	18.78		0.000000	92063	FF	.3058	
58	18.97		0.000000	260838	FF	.8665	
59	19.06		0.000000	99394	FF	.3302	
60	19.17		0.000000	182561	FF	.6065	
61	19.29		0.000000	49787	FF	.1654	
62	19.38		0.000000	107911	FF	.3585	
63	19.57		0.000000	248538	FF	.8257	
64	19.63		0.000000	252463	FF	.8387	
65	19.72		0.000000	184331	FF	.6124	
66	19.83		0.000000	659442	FF	2.1907	
67	20.03		0.000000	147770	FF	.4909	
68	20.12		0.000000	81620	FF	.2711	
69	20.23		0.000000	222182	FF	.7381	
70	20.30		0.000000	181111	FF	.6017	
71	20.40		0.000000	95471	FF	.3172	
72	20.49		0.000000	55825	FF	.1855	
73	20.57		0.000000	156503	FF	.5199	
74	20.66		0.000000	203716	FF	.6767	
75	20.83		0.000000	263271	FF	.8746	
76	20.90		0.000000	243817	FF	.8100	
77	21.02		0.000000	290908	FF	.9664	
78	21.14		0.000000	2741518	HS	9.1074	
79	21.29		0.000000	209549	HS	.6961	
80	21.35		0.000000	133782	HS	.4444	
81	21.48		0.000000	332277	HS	1.1038	
82	21.64		0.000000	2768245	HS	9.1962	
83	21.73		0.000000	117728	HS	.3911	
84	21.77		0.000000	289368	HS	.9613	
85	21.91		0.000000	249586	HS	.8291	
86	22.00		0.000000	347679	HS	1.1550	
87	22.15		0.000000	572818	HS	1.9029	
88	22.28		0.000000	99931	HS	.3320	
89	22.40		0.000000	875373	HS	2.9080	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	22.54		0.000000	603719	HS	2.0056	
91	22.63		0.000000	694336	HS	2.3066	
92	22.76		0.000000	167659	HS	.5570	
93	22.84		0.000000	273870	HS	.9098	
94	22.90		0.000000	492615	HS	1.6365	
95	23.06		0.000000	366254	HS	1.2167	
96	23.18		0.000000	172961	HS	.5746	
97	23.35		0.000000	664806	HS	2.2085	
98	23.55		0.000000	677398	HS	2.2503	
99	23.66		0.000000	124937	HS	.4150	
100	23.70		0.000000	178335	HS	.5924	
101	23.78		0.000000	387663	HS	1.2878	
102	23.86		0.000000	885149	HS	2.9405	
103	23.99		0.000000	452275	HS	1.5025	
104	24.14		0.000000	393910	HS	1.3086	
105	24.30		0.000000	1734897	HS	5.7634	
106	24.40		0.000000	1934444	HS	6.4263	
107	24.58		0.000000	608558	HS	2.0216	
108	24.67		0.000000	253735	HS	.8429	
109	24.75		0.000000	465028	HS	1.5448	
110	24.85		0.000000	559288	HS	1.8580	
111	24.94		0.000000	328110	HS	1.0900	

Total Area :   30102128   Total PPM :   100.000

Report Time : Thu Apr 3, 1997 6:42:34 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05F_020.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ____71102004____   Date Received: __03/11/97__

Client Sample No: ____SS06DUP____   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 2800 mg/kg.

Comments:The sample was analyzed with a 50 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 3.0 mg/kg.

Comments:

IEA GC/FID Standard Report

Sample Name   : 71102004;SS06DUP;G;   Purged on Tue Mar 25, 1997 12:55:44
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_007.RES   INSTRUMENT: HP5890A
Column Type   : DBWAX   30m 0.53mm ID   Purged Vol. : 5 ml

4.808

5.874

7.476

7.785

8.n92

9.471

9.752

10.347

11.242

11.4-5
11.-19

11.905
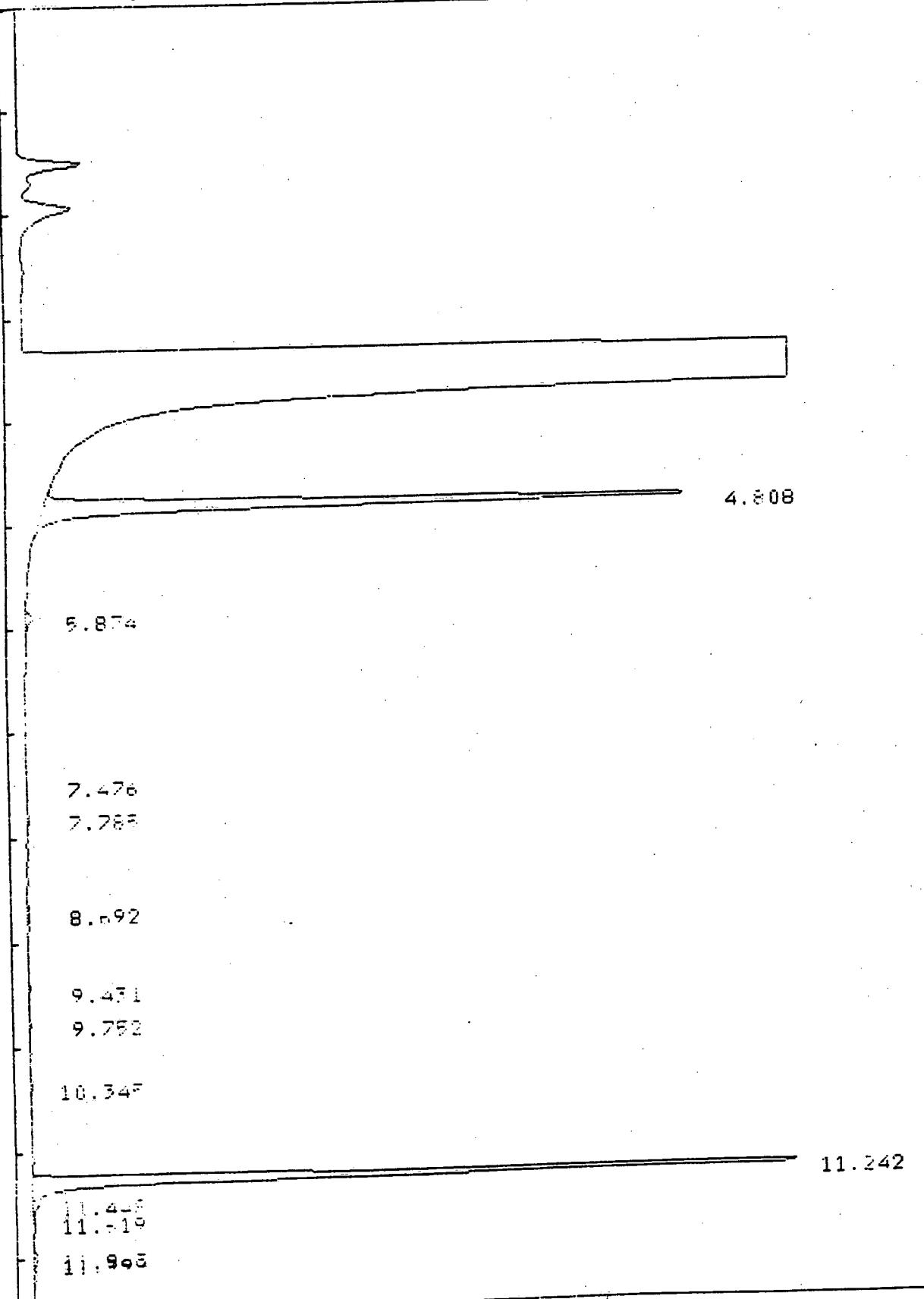
IEH GC/FID Standard Report

Sample Name	: 71102004;SS06DUP;G;	Report No : 7.22
Result File	: /DATA/LOOP/RESULT/D5-GAS07C_007.RES	
Column Type	: DBWAX 30m 0.53 ID	Purge Vol. : 5 ml
Instrument	: HP58905A	
Calculation	: Zero	
Run Time	: 20.02 Mins. Purged on Tue Mar 25, 1997 12:55:44 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ	
Surseq/Sample	: 1/ 7	ALS no. : 8

% Dil-Fact
100.00

Run Status   : EndOffBaseline
                   SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.81		0.000000	414508	BV	51.9121	TFT
2	5.87		0.000000	5407	PV	.6772	
3	7.48		0.000000	1151	UV	.1442	
4	7.79		0.000000	2191	UV	.2744	
5	8.69		0.000000	1735	PV	.2173	
6	9.43		0.000000	1509	UV	.1890	
7	9.75		0.000000	1236	UV	.1548	
8	10.34		0.000000	2077	PV	.2601	
9	11.24		0.000000	357769	PV	44.8063	
10	11.45		0.000000	6486	UV	.8123	
11	11.62		0.000000	1638	UV	.2051	
12	11.94		0.000000	1098	UV	.1375	
13	12.00		0.000000	1675	UV	.2047	

Total Area   :   798481   Total PPM   :   100.000

Report Time	: Fri Apr 4, 1997 7:57:54 am
Method	: /DATA/LOOP/METHOD/HP58905AG5*.
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_007.

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102004 SS06DUP 50XDL   Inj on Tue Apr 1, 1997 1:51:48 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_021.RES   INSTRUMENT : HP58?
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

5.148
5.578

6.481

8.88
8.103
8.512

9.119 9.167

8.213
10.012
10.385
10.608
10.884

11.457   11.328

12.305
12.590   12.839
13.074

13.400
13.804
14.281 14.223
14.416
14.532   14.833
15.242
15.385
15.596
15.903
16.356
16.563
16.642
16.892
17.023
17.207
18.199
18.476
18.683   18.967
19.050 19.158
19.336
19.88
20.292 20.225
20.558 20.650
21.081 21.138
21.425 21.635
21.702
22.143
22.761
23.095   23.347 23.543
23.696
24.129
24.936

IEH GC FID Standard Report

DB 5
Sample Name   : 71102004 SS06DUP 50XDL   Report No : 41.11
Result File   : /DATA/LOOP/RESULT/D3AT05F_021.RES
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 29.00 Mins.   Injected on Tue Apr 1, 1997 1:51:48 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S3AT05F.SEQ
Sinseq Sample   : 1/ 21   Bottle no. : 21

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                       EndOffBaseline
                       SpecialInteg

Pk	RT	In-tm	Peak Width	Area	Code	PH	Name
1	5.15		0.000000	3236	UU	.0098	
2	5.41		0.000000	9638	UV	.0293	
3	5.58		0.000000	8108	PV	.0247	
4	6.48		0.000000	13172	BV	.0401	
5	8.09		0.000000	3272	BV	.0100	
6	8.11		0.000000	24061	UU	.0732	
7	8.51		0.000000	4724	UU	.0144	
8	9.03		0.000000	3236	UU	.0098	
9	9.17		0.000000	32335	PU	.0984	
10	9.41		0.000000	3015	BV	.0092	
11	9.76		0.000000	2305	UU	.0070	
12	9.72		0.000000	4844	UU	.0147	
13	10.01		0.000000	1376	UU	.0042	
14	10.48		0.000000	3949	BH	.0120	
15	10.61		0.000000	1960	PH	.0060	
16	10.19		0.000000	9539	HH	.0290	
17	10.86		0.000000	15786	HH	.0480	
18	11.53		0.000000	92249	HH	.2806	
19	11.46		0.000000	9624	HH	.0293	
20	12.04		0.000000	5775	HH	.0176	
21	12.30		0.000000	8858	HH	.0269	
22	12.44		0.000000	8648	HH	.0263	
23	12.66		0.000000	7464	HH	.0227	
24	12.77		0.000000	11178	HH	.0340	
25	12.84		0.000000	76722	HH	.2334	
26	13.07		0.000000	89975	HH	.2737	
27	13.49		0.000000	17316	HH	.0527	
28	13.61		0.000000	10113	HH	.0308	
29	13.71		0.000000	13835	HH	.0421	
30	13.89		0.000000	26958	HH	.0820	
31	14.09		0.000000	43261	HH	.1316	
32	14.22		0.000000	62377	HH	.1898	
33	14.33		0.000000	13485	HH	.0410	
34	14.42		0.000000	122177	HH	.3717	
35	14.53		0.000000	34496	HH	.1049	
36	14.57		0.000000	68880	HH	.2095	

IEA GC/FID Standard Report

DB 5

Pk	RT	IL-tm	Peak Width	Area	Code	PP	Name
37	14.83		0.000000	204392	HH	.6218	
38	14.93		0.000000	16737	HH	.0570	
39	15.05		0.000000	13977	HH	.0425	
40	15.14		0.000000	26815	HH	.0816	
41	15.24		0.000000	261056	HH	.7942	
42	15.39		0.000000	57257	HH	.1742	
43	15.53		0.000000	33274	HH	.1012	
44	15.60		0.000000	135594	HH	.4125	
45	15.70		0.000000	48347	HH	.1471	
46	15.84		0.000000	26824	HH	.0816	
47	15.90		0.000000	82695	HH	.2516	
48	16.14		0.000000	98373	HH	.2993	
49	16.36		0.000000	383326	HH	1.1661	
50	16.56		0.000000	147447	HH	.4485	
51	16.64		0.000000	65018	HH	.1978	
52	16.74		0.000000	98963	HH	.3011	
53	16.89		0.000000	111755	HH	.3400	
54	17.02		0.000000	60176	HH	.1831	
55	17.21		0.000000	103515	HH	.3149	
56	17.36		0.000000	34796	HH	.1059	
57	17.40		0.000000	27536	HH	.0838	
58	17.58		0.000000	168161	HH	.5116	
59	17.66		0.000000	111545	HH	.3393	
60	17.78		0.000000	109991	HH	.3346	
61	17.91		0.000000	76019	HH	.2313	
62	17.95		0.000000	63337	HH	.1927	
63	18.02		0.000000	69611	HH	.2118	
64	18.12		0.000000	96264	HH	.2928	
65	18.20		0.000000	185093	HH	.5631	
66	18.47		0.000000	1721490	HS	5.2369	
67	18.58		0.000000	611169	FF	1.8592	
68	18.68		0.000000	78003	FF	.2373	
69	18.79		0.000000	147634	FF	.4491	
70	18.97		0.000000	255236	FF	.7764	
71	19.05		0.000000	108216	FF	.3292	
72	19.16		0.000000	223011	FF	.6784	
73	19.28		0.000000	53958	FF	.1641	
74	19.38		0.000000	145723	FF	.4433	
75	19.56		0.000000	319261	FF	.9712	
76	19.63		0.000000	334840	FF	1.0186	
77	19.71		0.000000	212502	FF	.6464	
78	19.83		0.000000	786988	FF	2.3941	
79	19.97		0.000000	51880	FF	.1578	
80	20.03		0.000000	106594	FF	.3243	
81	20.11		0.000000	102269	FF	.3111	
82	20.22		0.000000	280507	FF	.8533	
83	20.29		0.000000	199687	FF	.6075	
84	20.40		0.000000	102388	FF	.3115	
85	20.48		0.000000	84225	FF	.2562	
86	20.56		0.000000	171990	FF	.5232	
87	20.65		0.000000	250520	FF	.7621	
88	20.83		0.000000	358560	FF	1.0908	
89	20.89		0.000000	327852	FF	.9973	

IEA GC/FID Standard Report

5

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	21.01		0.000000	340344	FF	1.0354	
91	21.14		0.000000	2823753	HS	8.5901	
92	21.29		0.000000	228177	HS	.6941	
93	21.34		0.000000	256744	HS	.7810	
94	21.48		0.000000	368802	HS	1.1219	
95	21.63		0.000000	2769983	HS	8.4265	
96	21.72		0.000000	122039	HS	.3713	
97	21.77		0.000000	314662	HS	.9572	
98	21.90		0.000000	280946	HS	.8547	
99	21.99		0.000000	348570	HS	1.0604	
100	22.14		0.000000	611337	HS	1.8597	
101	22.27		0.000000	113026	HS	.3438	
102	22.39		0.000000	921644	HS	2.8037	
103	22.53		0.000000	632217	HS	1.9232	
104	22.62		0.000000	692863	HS	2.1077	
105	22.76		0.000000	173536	HS	.5279	
106	22.83		0.000000	292151	HS	.8887	
107	22.89		0.000000	503982	HS	1.5331	
108	23.05		0.000000	191432	HS	.5824	
109	23.09		0.000000	330810	HS	1.0063	
110	23.35		0.000000	685472	HS	2.0853	
111	23.54		0.000000	699743	HS	2.1287	
112	23.70		0.000000	336538	HS	1.0238	
113	23.77		0.000000	393782	HS	1.1979	
114	23.85		0.000000	910539	HS	2.7699	
115	23.99		0.000000	464421	HS	1.4128	
116	24.13		0.000000	431203	HS	1.3117	
117	24.30		0.000000	1762067	HS	5.3603	
118	24.39		0.000000	1831591	HS	5.5718	
119	24.58		0.000000	591367	HS	1.7990	
120	24.67		0.000000	276815	HS	.8421	
121	24.74		0.000000	454652	HS	1.3831	
122	24.84		0.000000	522658	HS	1.5900	
123	24.94		0.000000	372125	HS	1.1320	

Total Area   :   32872348   Total PPM   :   100.000

Report Time   : Thu Apr 3, 1997 6:46:15 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05F_021.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: _20970-71102_   Date Sampled: _03/11/97_

IEA Sample No: ___71102005___   Date Received: _03/11/97_

Client Sample No: ___SS03___   Date Extracted: _03/25/97_

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: _04/01/97_

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 3900 mg/kg.

Comments: The sample was analyzed with a 50 fold dilution.

==

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: _03/25/97_

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 3.6 mg/kg.

Comments:

IEA GC/FID Standard Report

Sample Name : 71102005;SS03;G;   Purged on Tue Mar 25, 1997 1:29:07
Result File : /DATA/LOOP/RESULT/D5AGAS07C_008.RES   INSTRUMENT: HP5905A
Column Type : DBWAX   30m 0.53mm ID   Purged Vol. : 5 ml

4.800

5.879

6.503
6.675

7.333
7.525
7.697
7.835

8.084
8.865

9.422

9.768

10.028

10.352

10.612

10.837
10.850

11.235

11.448

12.068
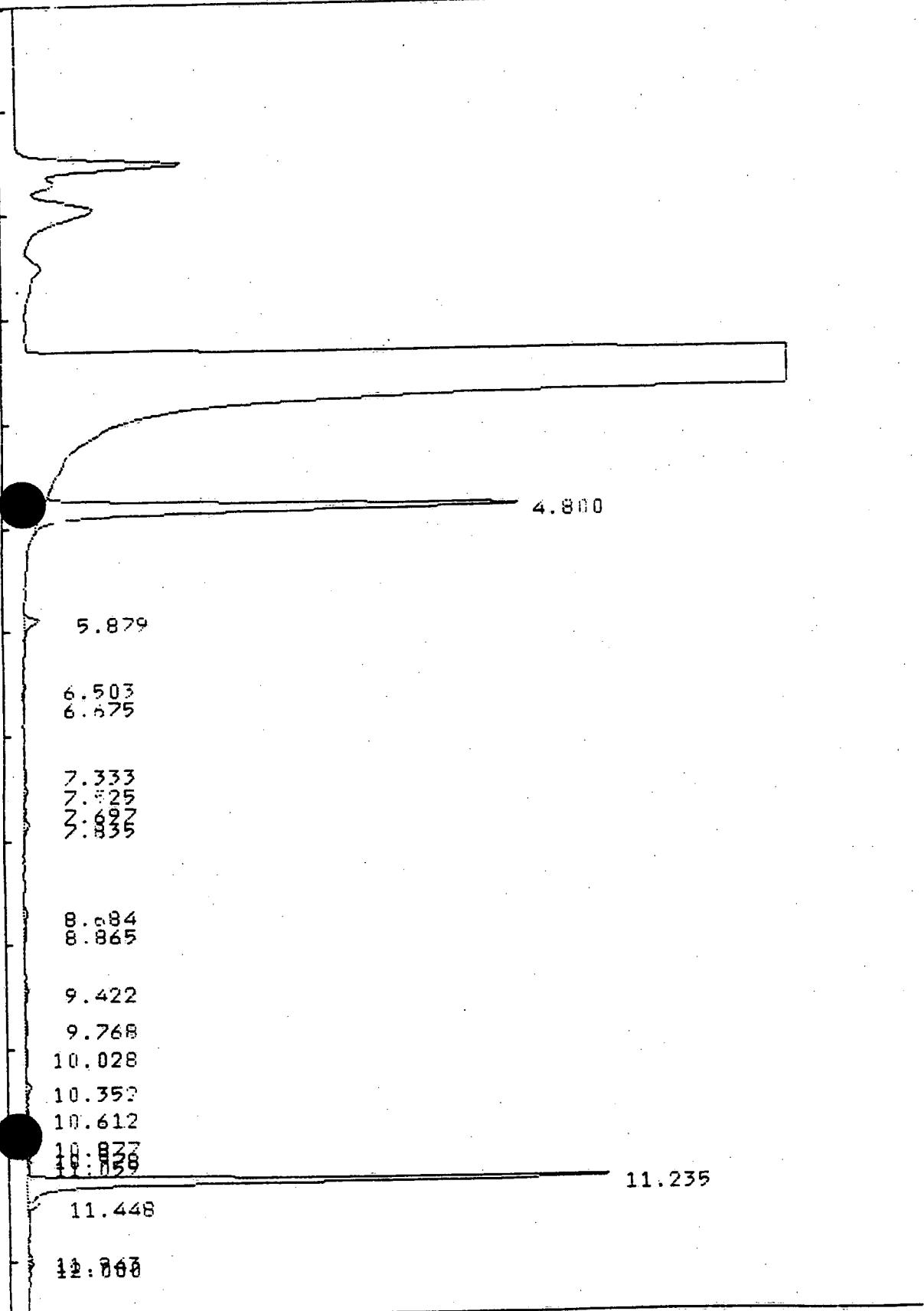
IEA GC/FID Standard Report

Report No : 8.20

Sample Name   : 71102005;SS03;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_008.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.00 Mins.   Purged on Tue Mar 25, 1997 1:29:07 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample : 1/ 8   ALS no. : 9

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.80		.087960	302873	BV	52.8832	~~ TFT
2	5.88		.098264	10173	PV	1.7763	
3	6.50		.082942	1315	VV	.2296	
4	6.68		.126090	1049	PV	.1832	
5	7.33		.105617	2423	BV	.4232	
6	7.52		.113252	2830	VV	.4942	
7	7.70		.071817	1126	VV	.1967	
8	7.83		.091748	3163	VV	.5522	
9	8.68		.108186	2976	PV	.5196	
10	8.86		.084144	1180	VV	.2061	
11	9.42		.110071	2224	VV	.3863	
12	9.77		.105565	1506	VV	.2630	
13	10.03		.123011	1685	VV	.2942	
14	10.35		.086469	2923	VV	.5103	
15	10.61		.112755	1379	VV	.2408	
16	10.88		.081157	1163	VV	.2032	
17	10.96		.063798	1544	VV	.2696	
18	11.06		.063519	1406	VV	.2456	
19	11.23		.047887	221311	VV	38.6420	
20	11.45		.067521	5656	VV	.9875	
21	11.94		.047033	1189	VV	.2076	
22	12.00		.051396	1626	VV	.2838	

Total Area   :   572721   Total PPM :   100.000

Report Time   : Tue Apr 1, 1997 10:37:38 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_008.

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102005 SS03 50XDL   Inj on Tue Apr 1, 1997 2:40:26 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_022.RES   INSTRUMENT : HP585
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

5.151
5.314
5.585

6.497

8.230
8.522
9.023 9.176

9.931

10.786
11.331
11.462

12.130
12.428
12.660
12.844
13.077

13.485
13.899
14.226 14.416
14.516 14.667
14.833
15.242
15.383
15.596
15.708
15.903
16.089
16.356
16.781 16.562
16.842 16.893
17.025
17.211
17.354
17.580
18.199
18.439
18.683
18.967
19.158
19.362
19.558
19.825
20.292 20.225
20.400 20.558
20.805
21.145
21.286
21.474
21.638
22.271
22.757
23.089
23.691
24.1

IEH GC/FID Standard Report

DB 5

Sample Name	: 71102005 SS03 50XDL	Report No : 42.11
Result File	: /DATA/LOOP/RESULT/D3AT05F_022.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 25.00 Mins. Injected on Tue Apr 1, 1997 2:40:26 pm
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Sueq/Sample	: 1/ 22	Bottle no. : 22

% Dil-Fact

100.00

Run Status   : RunStatusOK
EndOffBaseline
SpecialInteg

Pk	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	5.15		0.000000	4150	BV	.0108	
2	5.31		0.000000	8454	VB	.0219	
3	5.58		0.000000	7769	BV	.0201	
4	6.50		0.000000	8643	BE	.0224	
5	8.23		0.000000	4081	VV	.0106	
6	8.32		0.000000	10925	VV	.0283	
7	8.52		0.000000	3654	VV	.0095	
8	9.02		0.000000	3813	VV	.0099	
9	9.18		0.000000	23550	PV	.0611	
10	9.93		0.000000	1729	PV	.0045	
11	10.79		0.000000	7270	HH	.0189	
12	10.89		0.000000	9575	HH	.0248	
13	11.33		0.000000	103156	HH	.2675	
14	11.46		0.000000	14972	HH	.0388	
15	12.19		0.000000	7984	HH	.0207	
16	12.31		0.000000	6979	HH	.0181	
17	12.44		0.000000	9888	HH	.0256	
18	12.66		0.000000	5561	HH	.0144	
19	12.84		0.000000	83587	HH	.2167	
20	13.08		0.000000	77576	HH	.2012	
21	13.49		0.000000	13041	HH	.0338	
22	13.62		0.000000	11150	HH	.0289	
23	13.71		0.000000	11728	HH	.0304	
24	13.90		0.000000	31725	HH	.0823	
25	14.09		0.000000	43315	HH	.1123	
26	14.23		0.000000	61537	HH	.1596	
27	14.34		0.000000	10076	HH	.0261	
28	14.42		0.000000	125802	HH	.3262	
29	14.54		0.000000	22747	HH	.0590	
30	14.67		0.000000	68891	HH	.1786	
31	14.83		0.000000	192950	HH	.5003	
32	15.05		0.000000	13666	HH	.0354	
33	15.14		0.000000	28221	HH	.0732	
34	15.24		0.000000	370422	HH	.9605	
35	15.38		0.000000	65222	HH	.1691	
36	15.53		0.000000	40407	HH	.1048	

IEA GC/FID Standard Report

5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	15.60		0.000000	185563	HH	.4812	
38	15.70		0.000000	53313	HH	.1382	
39	15.90		0.000000	105223	HH	.2728	
40	16.09		0.000000	49773	HH	.1291	
41	16.13		0.000000	43319	HH	.1123	
42	16.36		0.000000	446250	HH	1.1571	
43	16.50		0.000000	44859	HH	.1163	
44	16.56		0.000000	133456	HH	.3460	
45	16.64		0.000000	79796	HH	.2069	
46	16.74		0.000000	119781	HH	.3106	
47	16.89		0.000000	140918	HH	.3654	
48	17.02		0.000000	69512	HH	.1802	
49	17.14		0.000000	23721	HH	.0615	
50	17.21		0.000000	87189	HH	.2261	
51	17.35		0.000000	62465	HH	.1620	
52	17.58		0.000000	183228	HH	.4751	
53	17.66		0.000000	125969	HH	.3266	
54	17.78		0.000000	119692	HH	.3104	
55	17.91		0.000000	85777	HH	.2224	
56	17.95		0.000000	79956	HH	.2073	
57	18.02		0.000000	82448	HH	.2138	
58	18.12		0.000000	110780	HH	.2872	
59	18.20		0.000000	234647	HH	.6084	
60	18.48		0.000000	2321969	HS	6.0208	
61	18.58		0.000000	830672	FF	2.1539	
62	18.68		0.000000	101138	FF	.2622	
63	18.77		0.000000	144624	FF	.3750	
64	18.97		0.000000	344644	FF	.8936	
65	19.05		0.000000	124846	FF	.3237	
66	19.16		0.000000	305294	FF	.7916	
67	19.37		0.000000	141493	FF	.3669	
68	19.56		0.000000	390345	FF	1.0121	
69	19.63		0.000000	365360	FF	.9474	
70	19.71		0.000000	242669	FF	.6292	
71	19.83		0.000000	936967	FF	2.4295	
72	19.97		0.000000	63251	FF	.1640	
73	20.03		0.000000	128841	FF	.3341	
74	20.11		0.000000	88561	FF	.2296	
75	20.22		0.000000	342579	FF	.8883	
76	20.29		0.000000	222378	FF	.5766	
77	20.40		0.000000	133437	FF	.3460	
78	20.48		0.000000	57103	FF	.1481	
79	20.56		0.000000	198162	FF	.5138	
80	20.65		0.000000	254595	FF	.6602	
81	20.83		0.000000	340024	FF	.8817	
82	20.89		0.000000	334170	FF	.8665	
83	21.01		0.000000	342009	FF	.8868	
84	21.14		0.000000	3435512	HS	8.9081	
85	21.29		0.000000	277552	HS	.7197	
86	21.34		0.000000	141286	HS	.3663	
87	21.47		0.000000	389046	HS	1.0088	
88	21.64		0.000000	3440684	HS	8.9215	
89	21.72		0.000000	153880	HS	.3990	

IEA GC/FID Standard Report

DB 5

Pk	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	21.77		0.000000	358213	HS	.9288	
91	21.90		0.000000	319139	HS	.8275	
92	21.99		0.000000	409228	HS	1.0611	
93	22.14		0.000000	694574	HS	1.8010	
94	22.27		0.000000	111666	HS	.2895	
95	22.39		0.000000	1099386	HS	2.8507	
96	22.53		0.000000	759062	HS	1.9682	
97	22.62		0.000000	849213	HS	2.2020	
98	22.76		0.000000	194605	HS	.5046	
99	22.83		0.000000	329593	HS	.8546	
100	22.89		0.000000	579163	HS	1.5017	
101	23.05		0.000000	229087	HS	.5940	
102	23.09		0.000000	347293	HS	.9005	
103	23.35		0.000000	762254	HS	1.9765	
104	23.54		0.000000	779020	HS	2.0200	
105	23.64		0.000000	156153	HS	.4049	
106	23.69		0.000000	196551	HS	.5096	
107	23.77		0.000000	465030	HS	1.2058	
108	23.85		0.000000	1079959	HS	2.8003	
109	23.99		0.000000	507436	HS	1.3158	
110	24.13		0.000000	440808	HS	1.1430	
111	24.30		0.000000	2240308	HS	5.8090	
112	24.39		0.000000	2322061	HS	6.0210	
113	24.58		0.000000	741964	HS	1.9239	
114	24.67		0.000000	310482	HS	.8051	
115	24.74		0.000000	530306	HS	1.3751	
116	24.84		0.000000	621876	HS	1.6125	
117	24.93		0.000000	356659	HS	.9248	

Total Area   :   38566040   Total PPM   :   100.000

Report Time : Thu Apr 3, 1997 6:49:54 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05F_022.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ___71102008___   Date Received: __03/11/97__

Client Sample No: ___SS04___   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 5800 mg/kg.

Comments:The sample was analyzed with a 100 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 3.6 mg/kg.

Comments:

IEH GC/FID Standard Report

Sample Name : 71102008;SS04;G;   Purged on Tue Mar 25, 1997 1:50:56
Result File : /DATA/LOOP/RESULT/D5HGAS07C_009.RES   INSTRUMENT: HP 8905A
Column Type : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml
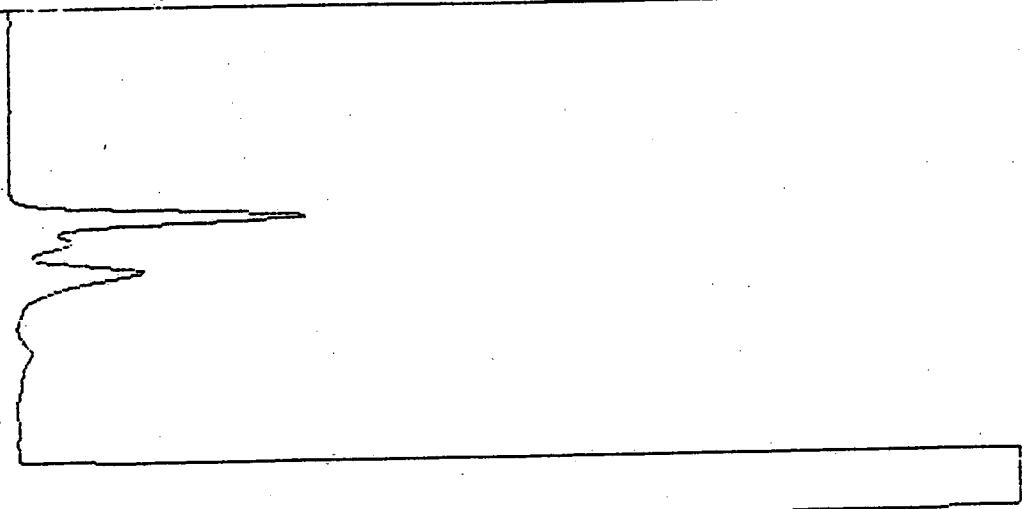
4.800

5.351
5.630
5.875
6.110
6.500
6.319
6.682
6.663
6.831

7.153
7.478
7.665
7.926
8.172
8.415
8.628
8.660

9.171
9.289
9.419
9.599
9.757

10.031
10.122
10.337
10.589
10.657
10.756
10.830

11.236

11.374 11.449
11.526
11.697
11.839
11.936
12.186
12.312

IEA GC/FID Standard Report

				Report No : 9.20

Sample Name : 71102008;SS04;G;
Result File : /DATA/LOOP/RESULT/D5AGAS07C_009.RES
Column Type : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument : HP58905A
Calculation : Zero
Run Time : 20.02 Mins.   Purged on Tue Mar 25, 1997 1:50:56 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample : 1/ 9   ALS no. : 10

% Dil-Fact
    100.00

Run Status   : EndOffBaseline
               SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.80		.086188	280964	BV	33.4707	N+ TFT
2	5.35		.076648	1483	BV	.1767	
3	5.63		.096293	1415	PV	.1686	
4	5.88		.099702	13875	VV	1.6529	
5	6.01		.096271	2460	VV	.2931	
6	6.16		.067268	1343	VV	.1600	
7	6.32		.104652	2985	VV	.3556	
8	6.48		.102941	6520	VV	.7767	
9	6.66		.131619	6391	VV	.7613	
10	6.83		.088081	1424	VV	.1696	
11	7.35		.113722	4698	PV	.5596	
12	7.48		.128407	6707	VV	.7990	
13	7.67		.095030	3749	VV	.4466	
14	7.80		.141905	10058	VV	1.1982	
15	7.93		.137042	3242	VV	.3862	
16	8.17		.097327	2539	VV	.3024	
17	8.41		.098236	3120	PV	.3716	
18	8.68		.119300	11866	VV	1.4136	
19	8.80		.138002	7934	VV	.9452	
20	9.17		.093560	2128	PV	.2536	
21	9.29		.073319	3949	VV	.4705	
22	9.42		.107473	7803	VV	.9296	
23	9.60		.101397	2328	VV	.2773	
24	9.76		.089323	8131	VV	.9687	
25	10.03		.086201	5390	VV	.6421	
26	10.12		.074247	4388	VV	.5228	
27	10.34		.110888	20700	VV	2.4659	
28	10.51		.054128	3045	VV	.3627	
29	10.60		.106098	8986	VV	1.0705	
30	10.76		.089710	6212	VV	.7400	
31	10.87		.080761	10167	VV	1.2112	
32	11.00		.094783	9632	VV	1.1474	
33	11.06		.058309	8249	VV	.9827	
34	11.12		.060603	4825	VV	.5748	
35	11.24		.047758	234263	VV	27.9072	
36	11.37		.045458	8837	VV	1.0528	
37	11.45		.058659	29468	VV	3.5105	

IEA GC/FID Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	11.58		.055310	3976	UV	.4736	
39	11.71		.094353	16079	UV	1.9154	
40	11.80		.053151	5363	UV	.6389	
41	11.83		.054475	5525	UV	.6581	
42	11.93		.061469	8239	UV	.9815	
43	11.99		.062400	14561	UV	1.7347	
44	12.10		.064990	18467	UV	2.2000	
45	12.18		.071712	8935	UV	1.0644	
46	12.31		.061581	7017	UV	.8359	

Total Area   :   839435   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:41:15 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_009.

IEA GC/FID Standard Report

DB 5

Sample Name   : 71102008 SS04 100XDL   Inj on Tue Apr 1, 1997 5:06:03 pm
INSTRUMENT : HP589
Result File   : /DATA/LOOP/RESULT/D3AT05F_025.RES
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

IEH GC/FID Standard Report

DB 5
Sample Name   : 71102008 SS04 100XDL   Report No : 45.11
Result File   : /DATA/LOOP/RESULT/D3AT05F_025.RES
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 25.00 Mins.   Injected on Tue Apr 1, 1997 5:06:03 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S3AT05F.SEQ
Subseq/Sample   : 1/ 25   Bottle no. : 25

% Dil-Fact
     100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   SpecialInteg

Pk	RT	ID-tm	Peak Width	Area	Code	PPm	Name
1	5.14		0.000000	3832	PV	.0136	
2	5.30		0.000000	8138	VV	.0288	
3	5.58		0.000000	4682	PV	.0166	
4	6.49		0.000000	6047	BE	.0214	
5	8.22		0.000000	2955	VV	.0105	
6	8.31		0.000000	5977	VV	.0212	
7	9.02		0.000000	3276	BV	.0116	
8	9.17		0.000000	16181	PV	.0573	
9	9.92		0.000000	1305	VV	.0046	
10	10.79		0.000000	6562	PH	.0232	
11	10.88		0.000000	8388	HH	.0297	
12	11.32		0.000000	99659	HH	.3528	
13	11.46		0.000000	12282	HH	.0435	
14	12.18		0.000000	9090	HH	.0322	
15	12.30		0.000000	12255	HH	.0434	
16	12.43		0.000000	10177	HH	.0360	
17	12.65		0.000000	7874	HH	.0279	
18	12.84		0.000000	90344	HH	.3198	
19	13.07		0.000000	77632	HH	.2748	
20	13.46		0.000000	23460	HH	.0830	
21	13.60		0.000000	15686	HH	.0555	
22	13.70		0.000000	10925	HH	.0387	
23	13.80		0.000000	10164	HH	.0360	
24	13.89		0.000000	35514	HH	.1257	
25	14.09		0.000000	49127	HH	.1739	
26	14.22		0.000000	60841	HH	.2154	
27	14.33		0.000000	11514	HH	.0408	
28	14.41		0.000000	118728	HH	.4203	
29	14.53		0.000000	21453	HH	.0759	
30	14.66		0.000000	71217	HH	.2521	
31	14.83		0.000000	159110	HH	.5632	
32	15.04		0.000000	21437	HH	.0759	
33	15.14		0.000000	28416	HH	.1006	
34	15.23		0.000000	298657	HH	1.0572	
35	15.38		0.000000	59590	HH	.2109	
36	15.52		0.000000	35081	HH	.1242	

IEA GC/FID Standard Report

5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	15.59		0.000000	168150	HH	.5952	
38	15.69		0.000000	49555	HH	.1754	
39	15.89		0.000000	96991	HH	.3433	
40	16.08		0.000000	45780	HH	.1620	
41	16.13		0.000000	47059	HH	.1666	
42	16.35		0.000000	391308	HH	1.3851	
43	16.49		0.000000	38506	HH	.1363	
44	16.55		0.000000	108116	HH	.3827	
45	16.64		0.000000	72509	HH	.2567	
46	16.73		0.000000	90011	HH	.3186	
47	16.89		0.000000	115485	HH	.4088	
48	17.02		0.000000	62886	HH	.2226	
49	17.21		0.000000	114720	HH	.4061	
50	17.35		0.000000	67889	HH	.2403	
51	17.57		0.000000	157248	HH	.5566	
52	17.65		0.000000	104161	HH	.3687	
53	17.77		0.000000	100214	HH	.3547	
54	17.90		0.000000	64287	HH	.2276	
55	17.94		0.000000	59198	HH	.2095	
56	18.01		0.000000	57197	HH	.2025	
57	18.11		0.000000	85362	HH	.3022	
58	18.19		0.000000	199630	HH	.7066	
59	18.47		0.000000	1595394	HS	5.6473	
60	18.57		0.000000	570651	FF	2.0200	
61	18.67		0.000000	83958	FF	.2972	
62	18.78		0.000000	121482	FF	.4300	
63	18.96		0.000000	230912	FF	.8174	
64	19.04		0.000000	94504	FF	.3345	
65	19.15		0.000000	244561	FF	.8657	
66	19.37		0.000000	118003	FF	.4177	
67	19.55		0.000000	268147	FF	.9492	
68	19.62		0.000000	273251	FF	.9672	
69	19.70		0.000000	170334	FF	.6029	
70	19.82		0.000000	667990	FF	2.3645	
71	20.02		0.000000	140035	FF	.4957	
72	20.10		0.000000	90021	FF	.3187	
73	20.22		0.000000	232015	FF	.8213	
74	20.28		0.000000	151151	FF	.5350	
75	20.39		0.000000	96295	FF	.3409	
76	20.47		0.000000	64184	FF	.2272	
77	20.55		0.000000	140891	FF	.4987	
78	20.64		0.000000	215659	FF	.7634	
79	20.82		0.000000	256901	FF	.9094	
80	20.88		0.000000	221947	FF	.7856	
81	21.00		0.000000	206132	FF	.7297	
82	21.13		0.000000	2396842	HS	8.4843	
83	21.28		0.000000	191350	HS	.6773	
84	21.33		0.000000	144483	HS	.5114	
85	21.46		0.000000	286805	HS	1.0152	
86	21.62		0.000000	2287077	HS	8.0957	
87	21.71		0.000000	123120	HS	.4358	
88	21.76		0.000000	189016	HS	.6691	
89	21.81		0.000000	66956	HS	.2370	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	21.89		0.000000	236171	HS	.8360	
91	21.98		0.000000	296220	HS	1.0486	
92	22.13		0.000000	505931	HS	1.7909	
93	22.26		0.000000	93041	HS	.3293	
94	22.38		0.000000	757050	HS	2.6798	
95	22.52		0.000000	573313	HS	2.0294	
96	22.61		0.000000	589243	HS	2.0858	
97	22.75		0.000000	152090	HS	.5384	
98	22.82		0.000000	230629	HS	.8164	
99	22.88		0.000000	438803	HS	1.5533	
100	23.04		0.000000	183828	HS	.6507	
101	23.09		0.000000	121622	HS	.4305	
102	23.17		0.000000	197638	HS	.6996	
103	23.34		0.000000	580116	HS	2.0535	
104	23.53		0.000000	583535	HS	2.0656	
105	23.63		0.000000	144637	HS	.5120	
106	23.68		0.000000	139592	HS	.4941	
107	23.76		0.000000	338515	HS	1.1983	
108	23.84		0.000000	758705	HS	2.6856	
109	23.97		0.000000	375638	HS	1.3297	
110	24.12		0.000000	376656	HS	1.3333	
111	24.29		0.000000	1369303	HS	4.8470	
112	24.38		0.000000	1589563	HS	5.6267	
113	24.57		0.000000	544454	HS	1.9272	
114	24.66		0.000000	244273	HS	.8647	
115	24.73		0.000000	368656	HS	1.3050	
116	24.83		0.000000	476033	HS	1.6850	
117	24.93		0.000000	331252	HS	1.1726	

Total Area   :   28250404   Total PPM   :   100.000

Report Time   : Thu Apr 3, 1997 7:04:16 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05F_025.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ____71102009____   Date Received: __03/11/97__

Client Sample No: ____SS05____ Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 8600 mg/kg.

Comments: The sample was analyzed with a 100 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of Gasoline. The concentration is 4.4 mg/kg.

Comments:

IEA GC/FID Standard Report

4.800

5.233
5.573
6.016

6.311
6.481
6.668
6.820

7.358
7.499

7.806
7.999
8.200
8.413

8.661
8.793
8.915

9.171
9.280
9.449
9.591
9.807
9.895
10.012
10.113
10.243
10.361
10.501
10.610
10.835
10.889
11.108

11.233

11.439
11.560
11.790
11.889
12.106
12.306
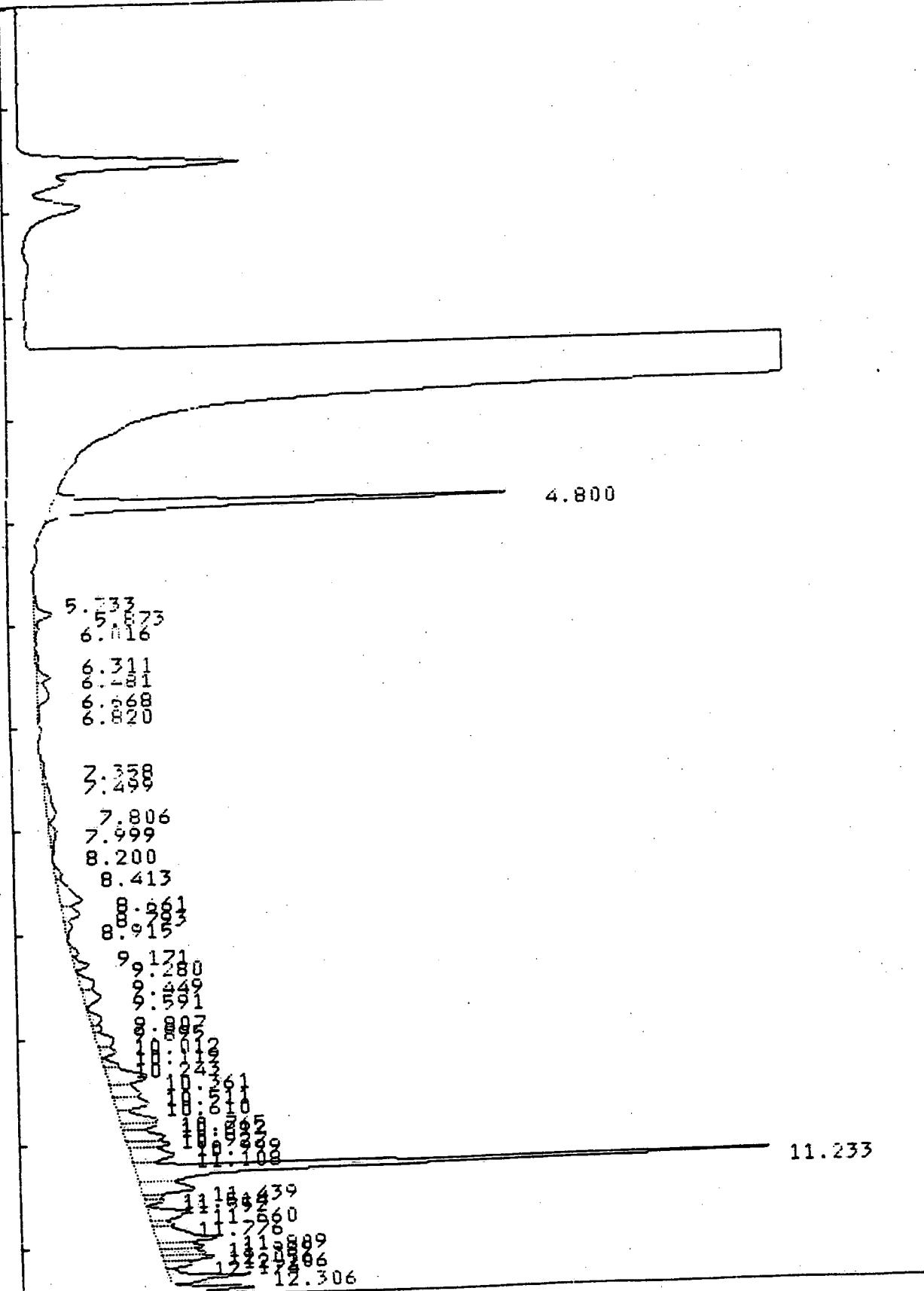
IEA GC/FID Standard Report

Sample Name   : 71102009;SS05;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_010.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.02 Mins.   Purged on Tue Mar 25, 1997 2:12:47 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Su-seq/Sample   : 1/ 10   ALS no. : 11

% Dil-Fact
    100.00

Run Status   : EndOffBaseline
                    SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.60		.088281	290628	BV	24.8172	Lt TFT
2	5.73		.056751	1275	VV	.1089	
3	5.87		.099075	13337	VV	1.1389	
4	6.02		.082194	2507	VV	.2141	
5	6.31		.080679	1880	PV	.1606	
6	6.48		.091274	10119	VV	.8641	
7	6.67		.151943	12985	VV	1.1088	
8	6.82		.100188	1552	VV	.1325	
9	7.36		.105297	2773	PV	.2368	
10	7.50		.080614	2418	VV	.2065	
11	7.81		.255448	17352	VV	1.4817	
12	8.00		.157125	7723	VV	.6595	
13	8.20		.090633	1461	VV	.1247	
14	8.41		.085830	4304	PV	.3675	
15	8.66		.168470	26791	VV	2.2877	
16	8.79		.096711	12104	VV	1.0336	
17	8.91		.095764	4634	VV	.3957	
18	9.17		.090990	4745	PV	.4052	
19	9.28		.071753	7915	VV	.6758	
20	9.45		.115653	12922	PV	1.1034	
21	9.59		.118308	15162	VV	1.2947	
22	9.81		.097969	8481	VV	.7242	
23	9.90		.062520	4214	VV	.3599	
24	10.01		.114890	14283	VV	1.2197	
25	10.12		.071154	8896	VV	.7597	
26	10.24		.057399	6420	VV	.5482	
27	10.36		.126142	35741	VV	3.0520	
28	10.51		.095947	19111	VV	1.6320	
29	10.61		.101456	24640	VV	2.1040	
30	10.76		.081011	22003	VV	1.8789	
31	10.81		.059115	15258	VV	1.3029	
32	10.93		.082069	23444	VV	2.0019	
33	11.00		.068468	21004	VV	1.7936	
34	11.11		.107534	33265	VV	2.8405	
35	11.23		.051234	253177	VV	21.6192	
36	11.44		.091262	35516	VV	3.0328	
37	11.51		.035773	5163	VV	.4409	

IEA GC/FID Standard Report

Pk=	RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	11.55		.042409	5725	UU	.4889	
39	11.66		.090613	26173	UU	2.2349	
40	11.78		.043365	6686	UU	.5709	
41	11.91		.090878	41928	UU	3.5803	
42	11.99		.063253	20551	UU	1.7549	
43	12.06		.044161	14242	UU	1.2162	
44	12.11		.060256	22903	UU	1.9558	
45	12.17		.050853	10655	UU	.9098	
46	12.31		.064342	37010	UU	3.1603	

Total Area   :   1171074   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:43:58 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_010.

IEA GC/FID Standard Report

IEA GC/FID Standard Report

DB 5

Report No : 46.10

Sample Name	:	71102009 SS05 100XDL
Result File	:	/DATA/LOOP/RESULT/D3AT05F_026.RES
Column Type	:	DB-5 30m 0.53mm ID
Instrument	:	HP58903A
Calculation	:	Zero
Run Time	:	25.00 Mins. Injected on Tue Apr 1, 1997 5:54:25 pm
Sequence File	:	/DATA/LOOP/SEQUENCE/S3AT05F.SEQ
Subseq/Sample	:	1/ 26

Inj. Vol. : 1 ul

Bottle no. : 26

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	5.15		.077735	3317	BV	.0072	
2	5.31		.164222	7105	VV	.0154	
3	5.59		.058973	4731	PV	.0103	
4	6.49		.078816	10735	BV	.0233	
5	7.74		.068768	1921	BV	.0042	
6	7.85		.064859	2664	VB	.0058	
7	8.10		.082910	3585	BV	.0078	
8	8.31		.128587	18174	VV	.0395	
9	9.02		.047724	8470	PV	.0184	
10	9.17		.056942	28982	VV	.0629	
11	9.53		.078899	3236	VV	.0070	
12	9.63		.082007	3052	PV	.0066	
13	9.77		.059779	1942	VV	.0042	
14	9.82		.050022	2206	VV	.0048	
15	9.92		.061668	2466	VV	.0054	
16	10.62		.082247	4347	PH	.0094	
17	10.79		.054247	10917	HH	.0237	
18	10.89		.064681	11412	HH	.0248	
19	10.98		.082424	5475	HH	.0119	
20	11.21		.092163	6377	HH	.0138	
21	11.33		.048980	260146	HH	.5648	
22	11.46		.099122	23528	HH	.0511	
23	11.78		.097830	11979	HH	.0260	
24	11.85		.080780	9593	HH	.0208	
25	11.97		.115549	15468	HH	.0336	
26	12.12		.086730	14279	HH	.0310	
27	12.18		.075695	13128	HH	.0285	
28	12.30		.122294	29464	HH	.0640	
29	12.43		.091849	20687	HH	.0449	
30	12.58		.114796	23003	HH	.0499	
31	12.66		.069809	19573	HH	.0425	
32	12.84		.081359	165773	HH	.3599	
33	13.08		.073446	138579	HH	.3009	
34	13.23		.045635	13369	HH	.0290	
35	13.29		.084424	26441	HH	.0574	
36	13.45		.155297	59322	HH	.1288	
37	13.61		.113659	69225	HH	.1503	

IEA GC/FID Standard Report

	RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	13.71		.067160	25088	HH	.0545	
39	13.80		.076186	36042	HH	.0783	
40	13.89		.086097	86578	HH	.1880	
41	14.09		.137798	126203	HH	.2740	
42	14.23		.075868	108454	HH	.2355	
43	14.34		.056837	35230	HH	.0765	
44	14.41		.098442	198922	HH	.4319	
45	14.53		.055846	47017	HH	.1021	
46	14.66		.134325	171383	HH	.3721	
47	14.83		.061244	237460	HH	.5156	
48	14.92		.086710	82520	HH	.1792	
49	15.05		.078108	70547	HH	.1532	
50	15.14		.074487	73141	HH	.1588	
51	15.24		.052803	514209	HH	1.1165	
52	15.38		.136028	158919	HH	.3450	
53	15.53		.050332	71454	HH	.1551	
54	15.59		.069494	292792	HH	.6357	
55	15.70		.064000	94392	HH	.2049	
56	15.78		.049981	43386	HH	.0942	
57	15.90		.129291	202185	HH	.4390	
58	16.08		.098304	118714	HH	.2578	
59	16.14		.081726	118433	HH	.2571	
60	16.35		.072752	635168	HH	1.3791	
61	16.56		.105642	285871	HH	.6207	
62	16.64		.070754	173373	HH	.3764	
63	16.74		.074241	179317	HH	.3893	
64	16.89		.092829	229239	HH	.4977	
65	17.02		.115496	161194	HH	.3500	
66	17.23		.136316	295305	HH	.6412	
67	17.35		.111420	167183	HH	.3630	
68	17.58		.122409	312842	HH	.6792	
69	17.66		.092117	223120	HH	.4844	
70	17.78		.100361	196173	HH	.4259	
71	17.91		.061324	129511	HH	.2812	
72	17.95		.052988	111536	HH	.2422	
73	18.02		.065096	143396	HH	.3113	
74	18.12		.068015	180020	HH	.3909	
75	18.20		.064969	254966	HH	.5536	
76	18.26		.103058	199353	HH	.4328	
77	18.48		.049015	2565027	HS	5.5692	
78	18.57		.049456	1040987	HS	2.2602	
79	18.67		.065282	165508	HS	.3594	
80	18.74		.123879	232283	HS	.5043	
81	18.95		.074758	558877	HS	1.2134	
82	19.04		.067667	162220	HS	.3522	
83	19.15		.160745	434159	HS	.9426	
84	19.36		.095352	197663	HS	.4292	
85	19.55		.070122	474613	HS	1.0305	
86	19.61		.051282	430941	HS	.9357	
87	19.69		.061533	305451	HS	.6632	
88	19.81		.073806	1050135	HS	2.2801	
89	20.01		.105152	258723	HS	.5617	
90	20.10		.071015	142472	HS	.3093	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
91	20.21		.072557	373249	HS	.8104	
92	20.28		.071823	283453	HS	.6154	
93	20.39		.077850	165090	HS	.3584	
94	20.47		.047466	77261	HS	.1677	
95	20.55		.073615	228465	HS	.4960	
96	20.64		.103451	340745	HS	.8065	
97	20.81		.080750	371455	HS	.8283	
98	20.88		.090028	381507	HS	.7752	
99	21.00		.084140	357018	HS	7.6090	
100	21.14		.062958	3504530	HS	.6459	
101	21.28		.089373	297467	HS	.3936	
102	21.34		.062086	181290	HS	.9718	
103	21.47		.092680	447587	HS	7.7003	
104	21.64		.062945	3546567	HS	.3403	
105	21.72		.036549	156732	HS	.8942	
106	21.76		.090824	411825	HS	.7042	
107	21.90		.060124	324329	HS	1.0545	
108	21.99		.086062	485671	HS	1.6440	
109	22.14		.106793	757182	HS	.2598	
110	22.26		.044677	119666	HS	2.5882	
111	22.39		.073470	1192037	HS	1.8874	
112	22.53		.074789	869309	HS	2.0228	
113	22.62		.100005	931664	HS	.4257	
114	22.76		.049244	196078	HS	.7307	
115	22.83		.055926	336564	HS	1.3427	
116	22.89		.089288	618405	HS	.5339	
117	23.05		.075798	245894	HS	.4465	
118	23.09		.064733	205653	HS	.4689	
119	23.17		.067729	215946	HS	1.8278	
120	23.34		.143576	841827	HS	1.8568	
121	23.54		.140708	855186	HS	.4045	
122	23.64		.051912	186288	HS	.3830	
123	23.69		.048824	176410	HS	1.1637	
124	23.77		.063049	535964	HS	2.4777	
125	23.85		.123594	1141159	HS	1.2220	
126	23.99		.094043	562838	HS	1.0370	
127	24.13		.098339	477603	HS	5.2853	
128	24.30		.065248	2434270	HS	5.5827	
129	24.39		.065842	2571227	HS	1.7470	
130	24.58		.071042	804625	HS	.6361	
131	24.66		.051816	292980	HS	1.3081	
132	24.74		.072968	602491	HS	1.4978	
133	24.84		.086013	689833	HS	.8636	
134	24.93		.081292	397767	HS		

Total Area : 46,057,472   Total PPM : 100.000

Report Time : Wed Apr 2, 1997 2:37:22 pm
Method : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/03AT05F_026.RE

Client: ALLIED SIGNAL, INCORPORATED

Job No: 20970-71102

Matrix: SOIL

Miscellaneous Parameters

Lab I.D.	71102001	71102003	71102005	DL
Client I.D.	SS01	SS02	SS03	
Ignitability	Not Ignitable	Not Ignitable	Not Ignitable	--

DL - Detection Limit

Client: ALLIED SIGNAL, INCORPORATED

Job No: 20970-71102

Matrix: SOIL

Miscellaneous Parameters

Lab I.D.	71102007MD	71102008	71102009	DL
Client I.D.	SS03MD	SS04	SS05	
Ignitability	Not Ignitable	Not Ignitable	Not Ignitable	--

DL - Detection Limit

NCE: S2B44I   INSTRUMENT: HP58902B   COLUMN: 1.5%SP2250/1.95%SP2401   START DATE: 11/19/96   END DATE: 11/20/96

Compound	LEVEL	Peak 1 RT	Response	Peak 2 RT	Response	Peak 3 RT	Response	Peak 4 RT	Response	Peak 5 RT	Response
Toxaphene	1	9.42	87625	14.08	290170	16.95	239373				
	2	9.42	346234	14.05	450656	16.98	669620				
	3	9.41	792205	14.04	1031012	16.97	1522674				
	4	9.40	1222776	14.03	1733688	16.96	2662658				
	5	9.40	2039521	14.03	2988875	16.96	4662625				
Chlordane	1	4.90	58515	7.01	130426	7.62	138452				
	2	4.87	139603	6.99	335511	7.59	377019				
	3	4.87	245295	6.99	686899	7.59	769419				
	4	4.87	482472	7.00	1564317	7.60	1519661				
	5	4.87	890683	6.99	2728563	7.59	3017311				
Aroclor-1016	1	3.59	74869	5.23	35541	5.59	21796				
	2	3.59	197181	5.23	104602	5.59	66439				
	3	3.59	456515	5.22	235671	5.59	173217				
	4	3.58	1095748	5.22	559040	5.59	427683				
	5	3.58	2747114	5.22	1393683	5.58	1079006				
Aroclor-1221	1	2.24	30968	2.83	6783	3.57	4394				
	2	2.24	66695	2.83	14777	3.57	8562				
	3	2.24	164038	2.83	36232	3.58	19643				
	4	2.27	634790	2.85	80413	3.59	44792				
	5	2.24	1084090	2.82	204098	3.57	116551				
Aroclor-1232	1	2.81	23435	3.57	38765	3.88	15717				
	2	2.81	56267	3.57	90455	3.88	38084				
	3	2.82	125516	3.57	204585	3.89	89218				
	4	2.82	302642	3.57	498143	3.89	220394				
	5	2.82	712490	3.57	1169628	3.89	519149				
Aroclor-1242	1	3.58	58351	3.90	19994	4.44	32636				
	2	3.58	162391	3.89	66912	4.44	101640				
	3	3.58	352412	3.90	154216	4.44	243646				
	4	3.58	858173	3.90	363772	4.45	566281				
	5	3.57	1628236	3.89	905792	4.43	1577979				
Aroclor-1248	1	4.43	64878	5.21	37474	5.57	25860				
	2	4.43	146973	5.21	102293	5.58	82535				
	3	4.43	398288	5.21	274637	5.58	231017				
	4	4.43	917254	5.21	631458	5.58	554758				
	5	4.43	2165363	5.21	1497335	5.58	1340899				
Aroclor-1254	1	11.32	96351	12.71	50811	14.34	65814				
	2	11.32	227915	12.71	128953	14.34	158212				
	3	11.33	569191	12.72	328017	14.35	405981				
	4	11.31	1226572	12.70	757855	14.33	952836				
	5	11.32	3098485	12.71	1842790	14.34	2364134				
Aroclor-1260	1	21.22	58275	25.13	157272	32.54	154616				
	2	21.20	179994	25.09	438035	32.49	425685				
	3	21.22	416749	25.09	892296	32.50	876502				
	4	21.20	943844	25.08	2322420	32.47	2286802				
	5	21.17	2246067	25.06	5578824	32.46	5563824				

MULTIPEAK COMPONENT INITIAL CALIBRATION DATA

RETENTION TIMES AND RESPONSES (AREA)

ENCE: S2A441   INSTRUMENT: HP58902A   COLUMN: 3.0%SP2100 100/120SUPELCOPORT   START DATE: 11/19/96   END DATE: 11/20/96

Compound	LEVEL	Peak 1 RT	Peak 1 Response	Peak 2 RT	Peak 2 Response	Peak 3 RT	Peak 3 Response	Peak 4 RT	Peak 4 Response	Peak 5 RT	Peak 5 Response
Toxaphene	1										
	2	8.76	699643	11.08	2536688	14.53	2394009				
	3										
	4	8.75	3618185	11.08	11256766	14.53	11699760				
	5										
Chlordane	1	7.29	691935	8.00	422555	8.39	468641				
	2										
	3	7.29	3559558	8.01	2101369	8.39	2099123				
	4										
	5	7.29	14470682	8.01	8301961	8.38	8251672				
Aroclor-1016	1										
	2	4.75	426507	5.21	370479	5.54	310272				
	3										
	4	4.73	2762712	5.19	2089330	5.52	1903221				
	5										
Aroclor-1221	1	2.47	130891	3.06	19263	3.34	1482				
	2										
	3	2.48	718341	3.06	138728	3.33	21970				
	4										
	5	2.47	4036481	3.06	816130	3.33	157035				
Aroclor-1232	1	3.05	193084	3.34	101600	3.84	404389				
	2										
	3	3.06	1092156	3.54	631679	3.84	2291772				
	4										
	5										
Aroclor-1242	1	3.05	121123	3.85	260720	4.71	82325				
	2										
	3	3.08	663529	3.87	1620321	4.75	831882				
	4										
	5	3.08	3846885	3.88	9117680	4.77	4791179				
Aroclor-1248	1										
	2	5.20	428306	5.54	448711	6.53	1059553				
	3										
	4	5.19	2288157	5.53	2530057	6.51	5560595				
	5										
Aroclor-1254	1	10.97	423072	12.69	359937	14.90	367261				
	2										
	3	10.95	2512079	12.68	2082813	14.88	2171511				
	4										
	5	10.98	13680714	12.71	11526958	14.92	12217020				
Aroclor-1260	1										
	2	17.04	920345	19.42	1024992	23.30	1750814				
	3										
	4	17.00	5767439	19.38	6138112	23.25	10075524				
	5										

PEST/PCB INITIAL CALIBRATION DATA

CALIBRATION CURVE

SEQUENCE: S2B44I   INSTRUMENT: HP58902B   COLUMN: 1.5%SP2250/1.95%SP2401   START DATE: 11/19/96   END DATE: 11/20/96

Compound	LEVEL I			LEVEL II			LEVEL III			LEVEL IV			LEVEL V			AVG RF	S	% RSD
	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF			
Toxaphene	250	617175	2469	625	1466510	2346	1500	3265891	2177	2500	5619122	2248	4000	9651060	2413	2331	119	5.1
Chlordane	100	327393	3274	250	842532	3370	500	1701613	3403	1000	3345850	3346	2000	6636557	3318	3342	49	1.5
Aroclor-1016	100	132206	1322	250	368222	1473	600	865403	1442	1500	2082471	1388	4000	5219203	1305	1386	73	5.3
Aroclor-1221	100	42145	421	250	89772	359	600	219913	366	1500	559999	373	4000	1404739	351	374	28	7.5
Aroclor-1232	100	77917	779	250	184806	739	600	419117	698	1500	1021179	681	4000	2401167	600	699	67	9.6
Aroclor-1242	100	110981	1110	250	318853	1275	600	750274	1250	1500	1750774	1167	4000	4112007	1028	1166	101	8.7
Aroclor-1248	100	128112	1281	250	331801	1327	600	904619	1508	1500	2103470	1402	4000	5003087	1251	1354	103	7.6
Aroclor-1254	100	212976	2130	250	515084	2060	600	1303189	2172	1500	3005261	2004	4000	7305409	1826	2038	135	6.6
Aroclor-1260	100	330163	3302	250	1043714	4175	600	2150547	3584	1500	5553066	3702	4000	13388712	3347	3622	350	9.7

PEST/PCB INITIAL CALIBRATION DATA

CALIBRATION CURVE

SEQUENCE: S2A441   INSTRUMENT: HP58902A   COLUMN: 3.0%SP2100 100/120SUPELCOPORT   START DATE: 11/19/96   END DATE: 11/20/96

Compound	LEVEL I			LEVEL II			LEVEL III			LEVEL IV			LEVEL V			AVG RF	S	% RSD
	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF	Conc	Response	RF			
Toxaphene	250	2444017	9776	625	5630340	9008	1500	14880367	9920	2500	26574711	10630	4000	42828982	10707	10008	696	7.0
Chlordane	100	1583131	15831	250	3780200	15121	500	7760050	15520	1000	16342523	16342	2000	31024315	15512	15665	454	2.9
Aroclor-1016	100	438898	4389	250	1107258	4429	600	2810404	4684	1500	6755263	4504	4000	17027040	4257	4453	157	3.5
Aroclor-1221	100	151636	1516	250	337297	1349	600	879039	1465	1500	1978855	1319	4000	5009646	1252	1380	108	7.8
Aroclor-1232	100	275353	2754	250	699073	2796	600	1616824	2695	1500	4015607	2677	4000	9323190	2331	2651	185	7.0
Aroclor-1242	100	464168	4642	250	1100484	4402	600	3115732	5193	1500	6970689	4647	4000	17755744	4439	4665	316	6.8
Aroclor-1248	100	775391	7754	250	1936570	7746	600	4492531	7488	1500	10378809	6919	4000	26111628	6528	7287	543	7.4
Aroclor-1254	100	1150270	11503	250	2712520	10850	600	6766403	11277	1500	15713143	10475	4000	37424692	9356	10692	845	7.9
Aroclor-1260	100	1358517	13585	250	3698151	14785	600	8773595	14623	1500	21981075	14654	4000	54972478	13743	14278	566	4.0

MULTI PEAK CALIBRATION CHECK REPORT

SAMPLE: AR1660   LEVEL: L3   DATAFILEID: D2B44BN 039 | SEQUENCE: S2B44BN

INSTRUMENT: HP58902B   COLUMN: 1.5%SP2250/1.95%SP2401   ANALYZE DATE: 03/15/97   ANALYZE TIME: 01:08

COMPOUND	RETENTION TIMES					TOTAL RESPONSE	INITIAL CALIBRATION RESPONSE	% RPD
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	3.43	5.01	5.37			810377	865403	6.4
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	20.44	24.19	31.38			1989612	2150547	7.5

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	1.66	1.61 - 1.71
Dibutylchlorendate	26.80	26.26 - 27.34

000142

MULTI PEAK CALIBRATION CHECK REPORT

SAMPLE: AR1660   LEVEL: L3   DATAFILEID: D2B44BQ 002   SEQUENCE: S2B44BQ

INSTRUMENT: HP58902B   COLUMN: 1.5%SP2250/1.95%SP2401   ANALYZE DATE: 03/18/97   ANALYZE TIME: 18:02

| COMPOUND | RETENTION TIMES | | | | | TOTAL RESPONSE | INITIAL CALIBRATION RESPONSE | % RPD |
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	3.45	5.03	5.39			877482	865403	1.4
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	20.53	24.28	31.49			2272679	2150547	5.7

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	1.67	1.62 - 1.72
Dibutylchlorendate	26.88	26.34 - 27.42

SAMPLE: AR1660   LEVEL: L3   DATAFILEID: D2B44BQ 016   I   SEQUENCE: S2B44BQ

INSTRUMENT: HP58902B   COLUMN: 1.5%SP2250/1.95%SP2401   ANALYZE DATE: 03/19/97   ANALYZE TIME: 04:03

| COMPOUND | RETENTION TIMES | | | | | TOTAL RESPONSE | INITIAL CALIBRATION RESPONSE | % RPD |
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	3.46	5.04	5.40			867873	865403	0.3
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	20.57	26.36	31.60			2439364	2150547	13.4

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	1.67	1.62 - 1.72
Dibutylchlorendate	26.96	26.42 - 27.50

000144

MULTI PEAK CALIBRATION CHECK REPORT

SAMPLE: AR1660 ILEVEL: L3 DATAFILEID: D2B44BQ 028 SEQUENCE: S2B44BQ

INSTRUMENT: HP58902B COLUMN: 1.5%SP2250/1.95%SP2401 ANALYZE DATE: 03/19/97 ANALYZE TIME: 14:12

COMPOUND	RETENTION TIMES					TOTAL RESPONSE	INITIAL CALIBRATION RESPONSE	% RPD
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	3.48	5.06	5.42			850028	865403	1.8
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	20.66	24.48	31.73			2260351	2150547	5.1

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	1.68	1.63 - 1.73
Dibutylchlorendate	27.04	26.50 - 27.58

000145

MULTI PEAK [CALIB]RATION CHECK REPORT

SAMPLE: AR1660 __ LEVEL: L3 I DATAFILEID: D2A44BN 040 __   SEQUENCE: S2A44BN __

INSTRUMENT: HP58902A __   COLUMN: 3.0%SP2100 100/120SUPELCO   ANALYZE DATE: 03/15/97 __   ANALYZE TIME: 01:54

| COMPOUND | RETENTION TIMES | | | | | TOTAL RESPONSE | INITIAL CALIBRATION RESPONSE | % RPD |
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	4.76	5.22	5.55			3336344	2810404	18.7*
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	17.16	19.57	23.51			11850942	8773595	35.1*

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	2.17	2.12 - 2.22
Dibutylchlorendate	27.89	27.33 - 28.45

MULTI PEAK CALIBRATION CHECK REPORT

SAMPLE: AR1660   LEVEL: L3   DATAFILEID: D2A448Q 003   SEQUENCE: S2A448Q

INSTRUMENT: HP58902A   COLUMN: 3.0%SP2100 100/120SUPELCO   ANALYZE DATE: 03/18/97   ANALYZE TIME: 18:44

COMPOUND	RETENTION TIMES					TOTAL RESPONSE	INITIAL CALIBRATION RESPONSE	% RPD
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	4.78	5.25	5.58			3993503	2810404	42.1*
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	17.26	19.68	23.65			14248548	8773595	62.4*

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	2.19	2.14 - 2.24
Dibutylchlorendate	28.05	27.49 - 28.61

MULTI PEAK [C]BRATION CHECK REPORT

SAMPLE: <u>AR1660</u> LEVEL: <u>L3</u> DATAFILEID: <u>D2A44BQ 017</u>   SEQUENCE: <u>S2A44BQ</u>

INSTRUMENT: <u>HP58902A</u>   COLUMN: <u>3.0%SP2100 100/120SUPELCO</u>   ANALYZE DATE: <u>03/19/97</u>   ANALYZE TIME: <u>04:46</u>

| COMPOUND | RETENTION TIMES | | | | | TOTAL RESPONSE | INITIAL CALIBRATION RESPONSE | % RPD |
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	4.80	5.28	5.61			3723392	2810404	32.5*
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	17.36	19.78	23.77			12634846	8773595	44.0*

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	2.20	2.15 - 2.25
Dibutylchlorendate	28.21	27.65 - 28.77

000148

MULTI PEAK CALIBRATION CHECK REPORT

SAMPLE:: AR1660   LEVEL: L3   DATAFILEID: D2A44BQ 029 1   SEQUENCE: S2A44BQ

INSTRUMENT: HP58902A   COLUMN: 3.0%SP2100 100/120SUPELCO   ANALYZE DATE: 03/19/97   ANALYZE TIME: 15:04

COMPOUND	RETENTION TIMES					TOTAL RESPONSE	INITIAL CALIBRATION RESPONSE	% RPD
	PEAK 1	PEAK 2	PEAK 3	PEAK 4	PEAK 5			
Toxaphene								
Chlordane								
Aroclor-1016	4.84	5.31	5.63			3452713	2810404	22.8*
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260	17.47	19.90	23.91			11192372	8773595	27.6*

SURROGATE RETENTION TIMES

Compound	RT	NEW RT WINDOW
Tetrachloro-m-xylene	2.22	2.17 - 2.27
Dibutylchlorendate	28.39	27.82 - 28.96

IEA Pesticide Standard Report

Sample Name   : AR1221 L1   Inj 0723 19Nov1996   INSTRUMENT: HP5B902B
Result File   : /DATA/LOOP/RESULT/D2B44I_003.RES   Inj.Vol : 5 ul
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

1.264

1.711

1.987

1.235

2.827

3.224

3.881

4.898

6.661

28.094

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No. : 18.00

Sample Name	: AR1221 L1
Result File	: /DATA/LOOP/RESULT/D2B44I_003.RES
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	: HP58902B
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 0723 19Nov1996
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Suhseq/Sample	: 1/ 3 Bottle no. : 4

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.051729	12111	BV	0.0000	
2	1.26		.060532	86272	PV	0.0000	
3	1.38		.067938	12307	VV	0.0000	
4	1.71	1.70	.063360	49482	BV	0.0000	TCX
5	1.89		.068216	3407	PB	0.0000	
6	2.00		.060188	5013	BV	0.0000	1221
7	2.24		.111067	30968	PV	0.0000	1221
8	2.83		.187642	6783	PV	0.0000	
9	3.27		.217723	2102	VV	0.0000	1221
10	3.57		.136284	4394	VV	0.0000	
11	3.88		.129645	1023	PV	0.0000	
12	4.90		.293135	5543	BB	0.0000	
13	6.66		.268402	9436	BB	0.0000	
14	28.09	#28.00	.483277	9085	BB	0.0000	DBC

Total Area   :   237926   Total PPB   :   0.000

Report Time	: 0808 19Nov1996
Method	: /DATA/LOOP/METHOD/HP58902B*.MTH
Result File	: /DATA/LOOP/RESULT/D2B44I_003.RES

IEA Pesticide Standard Report

Sample Name : AR1221 L2
Result File : /DATA/LOOP/RESULT/D2844I_004.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

Inj 0807 19Nov1996
INSTRUMENT: HP58902B
Inj.Vol : 5 ul

1.089
1.262
1.714
1.081002
2.239
2.834
3.220
3.675
4.140
4.904
6.666
28.080

000153

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 19.00

Sample Name   : AR1221 L2
Result File   : /DATA/LOOP/RESULT/D2B44I_004.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0807 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample : 1/ 4   Bottle no. : 5

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.059696	14495	BV	0.0000	
2	1.27		.066161	92938	PV	0.0000	
3	1.38		.068261	23262	VV	0.0000	
4	1.71	1.70	.066269	99486	BV	0.0000	TCX
5	1.88		.064412	4895	PB	0.0000	
6	2.00		.064041	12002	BV	0.0000	
7	2.24		.113287	66493	PV	0.0000	1221
8	2.83		.191405	14777	PV	0.0000	1221
9	3.27		.250137	4784	VV	0.0000	
10	3.57		.141354	8502	VV	0.0000	1221
11	3.89		.156275	3290	VV	0.0000	
12	4.15		.159093	2269	VV	0.0000	
13	4.90		.300351	4282	PV	0.0000	
14	6.67		.280459	11910	VV	0.0000	
15	28.08	#28.00	.346475	12184	BB	0.0000	DBC

Total Area   :   375568   Total PPB   :   0.000

Report Time   : 0852 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_004.RES

IEA Pesticide Standard Report

Sample Name   : AR1221 L3
                                Inj 0850 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_005.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.717
1.089   1.382   1.271
3.050   2.007   2.242
2.835
3.264   3.327
4.195
6.006
5.229
6.666
7.398
10.063
11.315
12.726
14.372
16.196
25.007
28.081

IEA Pesticide Standard Report

Report No : 20.00

Sample Name   : AR1221 L3
Result File   : /DATA/LOOP/RESULT/D2B44I_005.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0850 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   : 1/ 5   Bottle no. : 6

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.069108	11692	BV	0.0000	
2	1.27		.071036	94331	PV	0.0000	
3	1.38		.070899	52838	VV	0.0000	
4	1.72	1.70	.069888	260784	BV	0.0000	TCX
5	1.87		.058788	7844	PV	0.0000	
6	2.01		.068961	35687	BV	0.0000	
7	2.24		.116698	164038	PV	0.0000	1221
8	2.83		.192748	36232	PV	0.0000	1221
9	3.26		.254386	11825	VV	0.0000	1221
10	3.58		.140507	19643	VV	0.0000	
11	3.89		.154724	8285	VV	0.0000	
12	4.15		.162295	5328	VV	0.0000	
13	4.91		.191567	2524	PV	0.0000	
14	5.23		.291598	4116	VV	0.0000	
15	6.67		.274577	260851	PV	0.0000	
16	7.40		.366171	7011	VB	0.0000	
17	10.06		.658364	5962	BV	0.0000	
18	11.31		.422287	5639	VV	0.0000	
19	12.73		.546482	6074	PB	0.0000	
20	14.37		.587359	4405	BB	0.0000	
21	16.20		.643255	5373	BV	0.0000	
22	25.01		.987875	8736	BV	0.0000	
23	28.08	#28.00	1.048335	245095	BB	0.0000	DBC

Total Area   :   1264310   Total PPB   :   0.000

Report Time   : 0933 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_005.RES

IEA Pesticide Standard Report

Sample Name   : AR1221 L4   Inj 0932 19Nov1996
                                                        INSTRUMENT: HP58902B
Result File   : /DATA/LOOP/RESULT/D2B44I_006.RES
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.124   1.305   1.402   1.750
                          2.033   2.265
                   2.850
          3.284 594
           3.910
           4.423
           4.932
           5.248
          6.155
           6.710
          7.401

          10.041

          11.312

          12.716

          14.356

          16.203

          22.741

          25.009

                   28.067
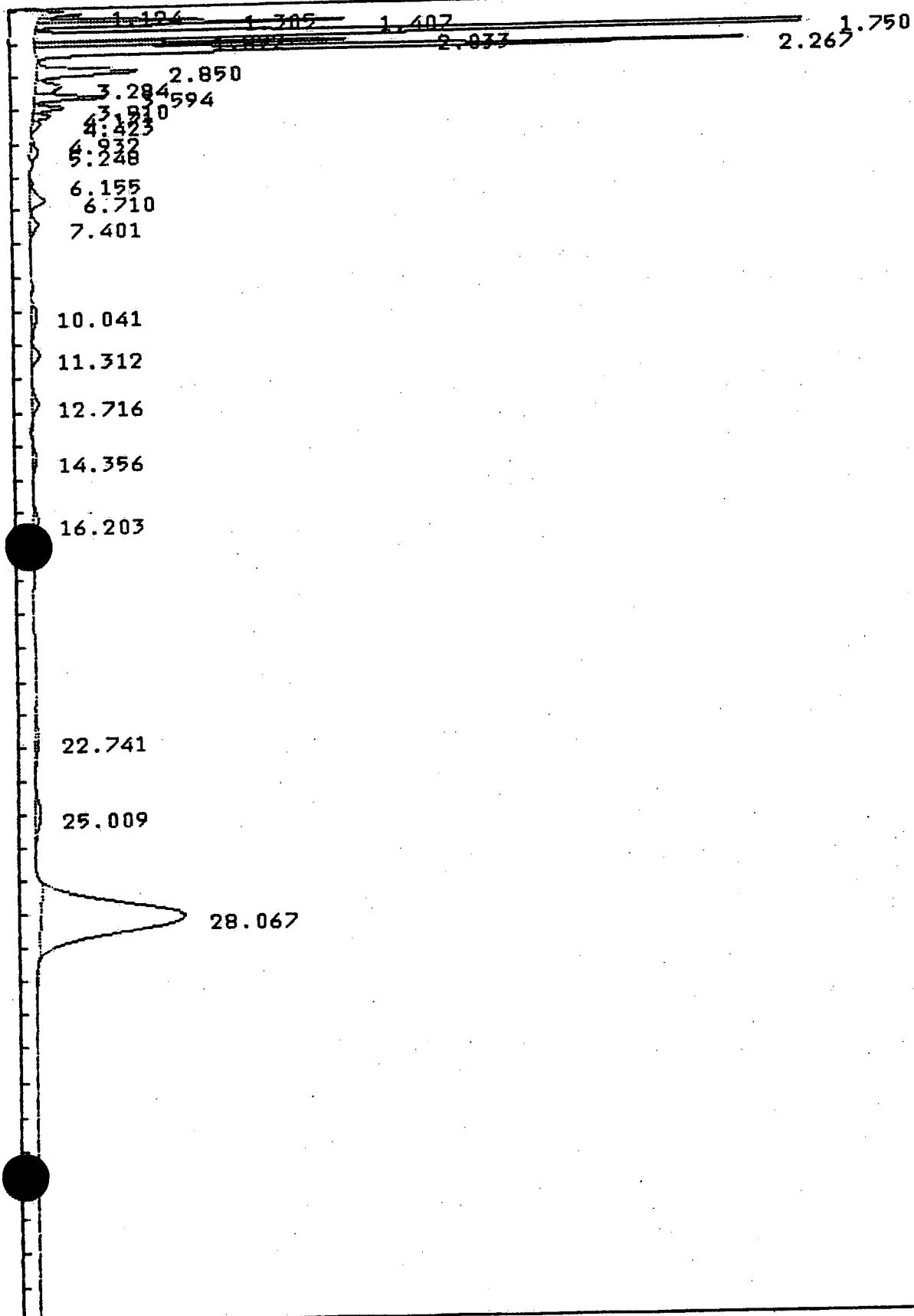
IEA Pesticide Standard Report

Sample Name	: AR1221 L4
Result File	: /DATA/LOOP/RESULT/D2B44I_006.RES
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	: HP58902B
Calculation	: ExternalSTD
Run Time	: 40.02 Mins. Injected on 0932 19Nov1996
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample	: 1/ 6 Bottle no. : 7

% Oil-Fact
   100.00

Run Status   : RunStatusOK
                NoReference
                SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.12		0.000000	14479	BV	0.0000	
2	1.30		0.000000	54387	PV	0.0000	
3	1.41		0.000000	111409	VV	0.0000	TCX
4	1.75	1.77	0.000000	713544	FF	0.0000	
5	1.89		0.000000	55425	FF	0.0000	
6	2.03		0.000000	139354	FF	0.0000	1221
7	2.27		0.000000	434794	FF	0.0000	1221
8	2.85		0.000000	80413	PV	0.0000	
9	3.28		0.000000	27145	VV	0.0000	1221
10	3.59		0.000000	44792	VV	0.0000	
11	3.91		0.000000	19739	VV	0.0000	
12	4.17		0.000000	11746	VV	0.0000	
13	4.42		0.000000	7476	VV	0.0000	
14	4.93		0.000000	2369	PV	0.0000	
15	5.25		0.000000	9849	VV	0.0000	
16	6.15		0.000000	2326	PV	0.0000	
17	6.71		0.000000	21575	VV	0.0000	
18	7.40		0.000000	11706	VV	0.0000	
19	10.04		0.000000	12124	BV	0.0000	
20	11.31		0.000000	13265	VV	0.0000	
21	12.72		0.000000	14461	PV	0.0000	
22	14.36		0.000000	10512	PB	0.0000	
23	16.20		0.000000	11750	BV	0.0000	
24	22.74		0.000000	10159	PV	0.0000	
25	25.01		0.000000	19623	PV	0.0000	
26	28.07		0.000000	592446	BB	0.0000	

Total Area   :   2446872   Total PPB   :   0.000

Report Time	: 1341 20Nov1996
Method	: /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File	: /DATA/LOOP/RESULT/D2B44I_006.RES

IEA Pesticide Standard Report

Sample Name : AR1221 L5   Inj 1015 19Nov1996   INSTRUMENT: HP58902B
Re-ult File : /DATA/LOOP/RESULT/D2844I_007.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.022 ... 1.328 ... 1.717
1.850   2.000   2.242
2.823
3.254
3.28 2.567
4.398
4.930
5.59
6.136
6.698
7.375

9.259
10.015

11.283

12.691

14.327

16.176

17.325

21.144

22.720

24.978

28.040

32.472
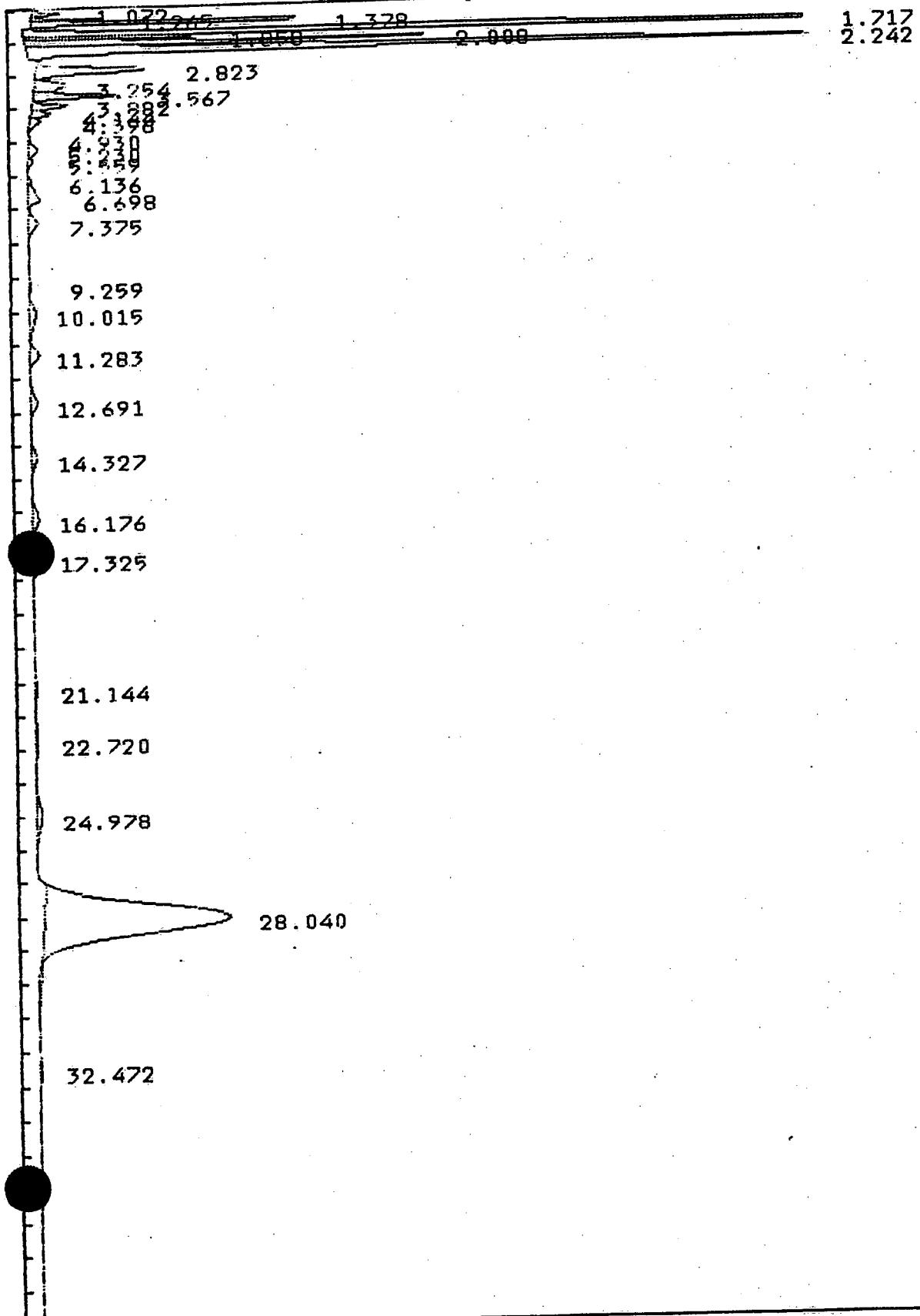
IEA Pesticide Standard Report

Sample Name	:	AR1221 L5
Result File	:	/DATA/LOOP/RESULT/D2B44I_007.RES
Column Type	:	1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	:	HP58902B
Calculation	:	ExternalSTD
Run Time	:	40.00 Mins. Injected on 1015 19Nov1996
Sequence File	:	/DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample	:	1/ 7 Bottle no. : 8

% Dil-Fact
100.00

Run Status : RunStatusOK
NoReference
SpecialInteg

Pk#	RT	IO-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	22156	BV	0.0000	
2	1.26		0.000000	48568	PV	0.0000	
3	1.38		0.000000	267840	VV	0.0000	TCX
4	1.72		0.000000	1816518	FF	0.0000	
5	1.86		0.000000	145709	FF	0.0000	
6	2.01		0.000000	368419	FF	0.0000	1221
7	2.24		0.000000	1084090	FF	0.0000	1221
8	2.82		0.000000	204098	PV	0.0000	
9	3.25		0.000000	75192	VV	0.0000	1221
10	3.57		0.000000	116551	VV	0.0000	
11	3.88		0.000000	54180	VV	0.0000	
12	4.14		0.000000	31949	VV	0.0000	
13	4.40		0.000000	21826	VV	0.0000	
14	4.93		0.000000	2325	PV	0.0000	
15	5.23		0.000000	25064	VV	0.0000	
16	5.56		0.000000	9248	VV	0.0000	
17	6.14		0.000000	6017	PV	0.0000	
18	6.70		0.000000	46669	VV	0.0000	
19	7.38		0.000000	36829	VV	0.0000	
20	9.26		0.000000	10553	PV	0.0000	
21	10.01		0.000000	48784	VV	0.0000	
22	11.28		0.000000	42235	VV	0.0000	
23	12.69		0.000000	42485	VV	0.0000	
24	14.33		0.000000	33416	PV	0.0000	
25	16.18		0.000000	45219	VV	0.0000	
26	17.33		0.000000	26037	VV	0.0000	
27	21.14		0.000000	14767	VV	0.0000	
28	22.72		0.000000	25473	VV	0.0000	
29	24.98		0.000000	56663	VV	0.0000	
30	28.04		0.000000	1780458	BV	0.0000	
31	32.47		0.000000	21736	PB	0.0000	

Total Area : 6531079   Total PPB : 0.000

Report Time : 1350 20Nov1996
Method : /DATA/LOOP/METHOD/HP58902BP*.MTH

Result File   : /DATA/LOOP/RESULT/D2B44I_007.RES

IEA Pesticide Standard Report

Sample Name   : AR1232 L1   Inj 1057 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_008.RES   INSTRUMENT: HP5890B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.0887
1.312712
1.885
2.7235
2.814
3.467
3.683
4.144
4.422

5.197
5.567

6.135
6.464

7.591

9.973

11.275

28.067

IEA Pesticide Standard Report

Report No : 23.01

Sample Name : AR1232 L1
Result File : /DATA/LOOP/RESULT/D2B44I_008.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.00 Mins. Injected on 1057 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample : 1/ 8 Bottle no. : 9

% Dil-Fact
 100.00

Run Status : RunStatusOK
 NoReference
 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		0.000000	17385	BV	0.0000	
2	1.27		0.000000	41315	PV	0.0000	
3	1.38		0.000000	4901	VV	0.0000	
4	1.71		0.000000	45155	BV	0.0000	TCX
5	1.90		0.000000	2909	PB	0.0000	
6	1.99		0.000000	2525	BV	0.0000	
7	2.24		0.000000	29997	PV	0.0000	1232
8	2.81		0.000000	23435	VV	0.0000	
9	3.25		0.000000	15224	VV	0.0000	1232
10	3.57		0.000000	38765	VV	0.0000	1232
11	3.88		0.000000	15717	VV	0.0000	
12	4.14		0.000000	10287	VV	0.0000	
13	4.42		0.000000	24255	VV	0.0000	
14	5.20		0.000000	22839	VV	0.0000	
15	5.57		0.000000	12252	VV	0.0000	
16	6.14		0.000000	7963	PV	0.0000	
17	6.46		0.000000	26362	VB	0.0000	
18	7.59		0.000000	14261	BB	0.0000	
19	9.97		0.000000	4784	VB	0.0000	
20	11.27		0.000000	4359	BB	0.0000	DBC
21	28.07		0.000000	50795	FF	0.0000	

Total Area : 415485 Total PPB : 0.000

Report Time : 1355 20Nov1996
Method : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File : /DATA/LOOP/RESULT/D2B44I_008.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L2   Inj 1140 19Nov1996

Result File : /DATA/LOOP/RESULT/D2844I_009.RES   INSTRUMENT: HP58902B

Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.265
1.312
1280096
2.612
2.814
3.242
3.568
4.423
5.204
5.570
6.139
6.434
7.600
8.886
9.302
9.966
11.296
14.353
28.052

Control - Instrument 03 will not continue, LAS A/D not ready
I●rument status is 07

IEA Pesticide Standard Report

Report No : 24.00

Sample Name	: AR1232 L2
Result File	: /DATA/LOOP/RESULT/D2B44I_009.RES
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	: HP58902B
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 1140 19Nov1996
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample	: 1/ 9 Bottle no. : 10

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.053492	11763	BV	0.0000	
2	1.27		.061135	111583	PV	0.0000	
3	1.38		.068583	14468	VV	0.0000	
4	1.71	1.70	.064631	114153	BV	0.0000	TCX
5	1.88		.058665	3646	PB	0.0000	
6	2.00		.062286	9891	BV	0.0000	
7	2.24		.110622	70298	PV	0.0000	
8	2.62		.090471	2028	PV	0.0000	
9	2.81		.138676	56267	VV	0.0000	
10	3.25		.252846	39388	VV	0.0000	1232
11	3.57		.145736	90455	VV	0.0000	1232
12	3.88		.168167	38084	VV	0.0000	1232
13	4.15		.161512	24656	VV	0.0000	
14	4.42		.285250	59445	VV	0.0000	
15	5.20		.262528	50682	VV	0.0000	
16	5.57		.256379	32321	VV	0.0000	
17	6.14		.214921	21191	VV	0.0000	
18	6.47		.389873	73655	VV	0.0000	
19	7.60		.339567	39078	VV	0.0000	
20	8.89		.321209	3768	PV	0.0000	
21	9.30		.478473	9061	VV	0.0000	
22	9.97		.395348	10997	VV	0.0000	
23	11.30		.520518	11111	VV	0.0000	
24	14.35		.531614	6365	BB	0.0000	
25	28.05	#28.00	1.061933	107900	BB	0.0000	DBC

Total Area   :   1012254   Total PPB   :   0.000

●port Time   : 1227 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File : /DATA/LOOP/RESULT/D2B44I_009.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L3   Inj 1225 19Nov1996
                                          INSTRUMENT: HP58902B
Result File : /DATA/LOOP/RESULT/D2B44I_010.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.082873
1.716
1.8406
2.240
2.621 2.819
3.250
3.572
3.889
4.128
5.209
5.572
6.141
6.463
7.599
8.876
9.295
9.960
11.273
14.334
28.034

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 25.00

Sample Name	: AR1232 L3
Result File	: /DATA/LOOP/RESULT/D2B44I_010.RES
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	: HP58902B
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 1225 19Nov1996
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample	: 1/ 10 Bottle no. : 11

% Dil-Fact
  100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.073473	8928	BV	0.0000	
2	1.27		.073284	41825	PV	0.0000	
3	1.38		.071627	24986	VV	0.0000	
4	1.72	1.70	.071293	266091	BV	0.0000	TCX
5	1.87		.056871	4800	PV	0.0000	
6	2.01		.067990	23703	BV	0.0000	
7	2.24		.115943	154577	PV	0.0000	
8	2.62		.090644	4285	PV	0.0000	
9	2.82		.144185	125316	VV	0.0000	1232
10	3.25		.255915	90985	VV	0.0000	1232
11	3.57		.151061	204583	VV	0.0000	1232
12	3.89		.172428	89218	VV	0.0000	
13	4.15		.164277	58149	VV	0.0000	
14	4.43		.291368	138582	VV	0.0000	
15	5.21		.249351	110721	VV	0.0000	
16	5.57		.261572	78837	VV	0.0000	
17	6.14		.219037	51998	VV	0.0000	
18	6.46		.365239	158112	VV	0.0000	
19	7.60		.345151	95021	VV	0.0000	
20	8.88		.327810	9015	VV	0.0000	
21	9.29		.478840	21256	VV	0.0000	
22	9.96		.400385	26876	VV	0.0000	
23	11.27		.520318	26849	VV	0.0000	
24	14.33		.551621	16288	BB	0.0000	
25	28.03	#28.00	1.043845	253533	BB	0.0000	DBC

Total Area   :   2084534   Total PPB :   0.000

Report Time	: 1312 19Nov1996
Method	: /DATA/LOOP/METHOD/HP58902B*.MTH
Result File	: /DATA/LOOP/RESULT/D2B44I_010.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L4

Inj 1308 19Nov1996

INSTRUMENT: HP589028

Result File : /DATA/LOOP/RESULT/D2B44I_011.RES

Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 26.00

Sample Name   : AR1232 L4
Result File   : /DATA/LOOP/RESULT/D2B44I_011.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1308 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   : 1/ 11   Bottle no. : 12

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.074297	15326	BV	0.0000	
2	1.27		.066508	61872	PV	0.0000	
3	1.38		.067299	59441	VV	0.0000	TCX
4	1.72	1.70	.069149	663784	BV	0.0000	
5	1.86		.056269	12370	PV	0.0000	
6	2.01		.067401	64197	BV	0.0000	
7	2.24		.114612	372957	PV	0.0000	
8	2.62		.090000	11178	PV	0.0000	
9	2.82		.144594	302642	VV	0.0000	1232
10	3.25		.259858	228450	VV	0.0000	1232
11	3.57		.150283	498143	VV	0.0000	1232
12	3.89		.172230	220394	VV	0.0000	
13	4.15		.164082	147325	VV	0.0000	
14	4.43		.293417	333038	VV	0.0000	
15	5.21		.243727	261325	VV	0.0000	
16	5.57		.261953	196750	VV	0.0000	
17	6.14		.219743	127296	VV	0.0000	
18	6.46		.366980	380201	VV	0.0000	
19	7.05		.213101	16467	VV	0.0000	
20	7.60		.345363	236512	VV	0.0000	
21	8.88		.314004	22388	PV	0.0000	
22	9.29		.474070	53736	VV	0.0000	
23	9.96		.396192	66821	VV	0.0000	
24	11.28		.520691	67293	VV	0.0000	
25	12.59		.653843	7800	PB	0.0000	
26	14.34		.548642	41843	BB	0.0000	
27	16.21		.603773	6929	BV	0.0000	
28	28.04	#28.00	1.019994	688483	BB	0.0000	DBC

Total Area   :   5164963   Total PPB   :   0.000

Report Time   : 1352 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_011.RES

IEA Pesticide Standard Report

Inj 1350 19Nov1996

Sample Name : AR1232 L5
Result File : /DATA/LOOP/RESULT/D2844I_012.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul
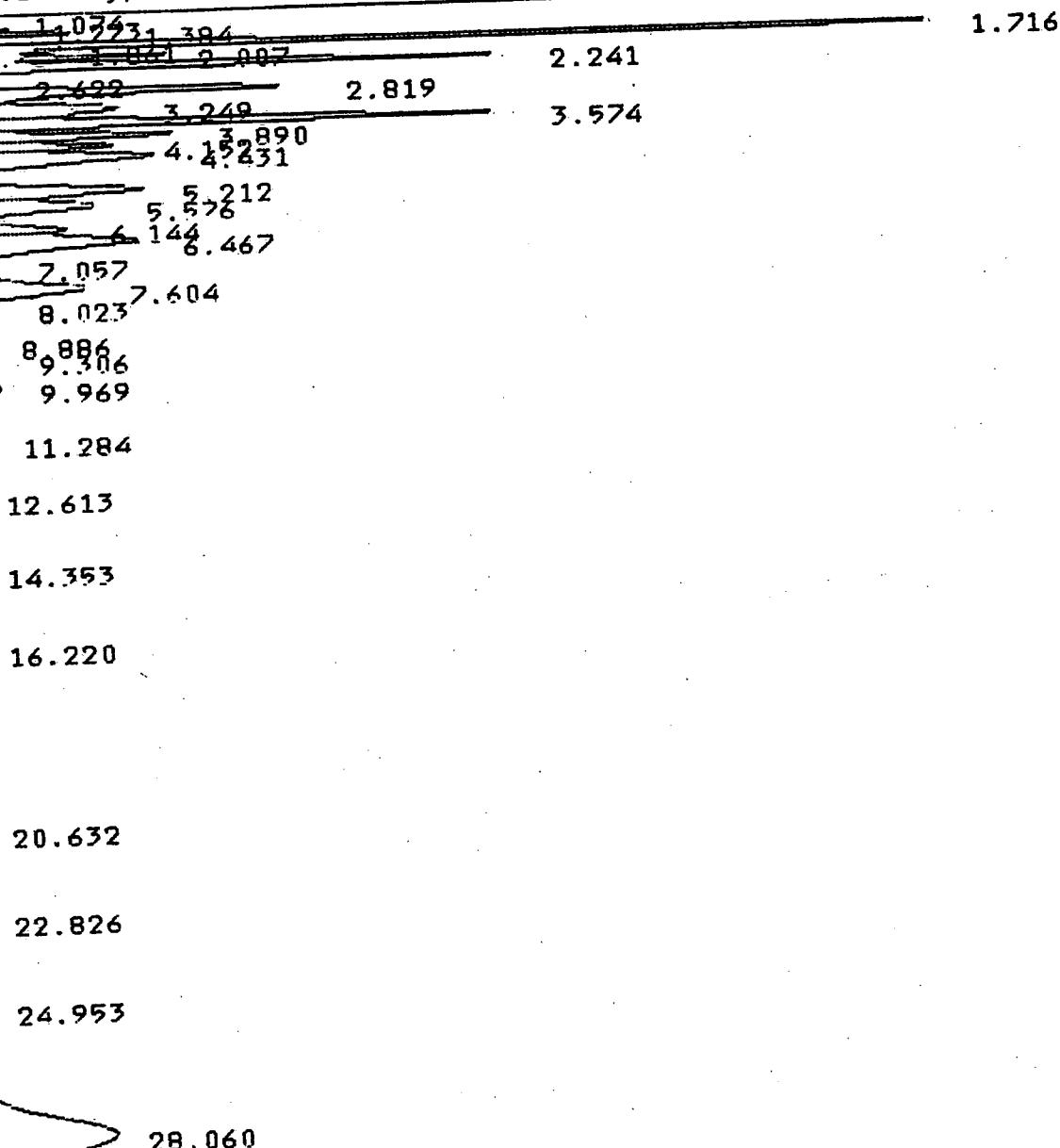
1.0793   1.384   1.716
1.851   2.007   2.241
2.622   2.819
3.249   3.574
3.890
4.15   4.231
5.212
5.576
6.144
6.467
7.057
7.604
8.023
8.886
9.306
9.969

11.284

12.613

14.353

16.220

20.632

22.826

24.953

28.060

IFA Pesticide Standard Report

Report No : 27.00

Sample Name   : AR1232 L5
Result File   : /DATA/LOOP/RESULT/D2B44I_012.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1350 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample : 1/ 12   Bottle no. : 13

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		.085405	21724	BV	0.0000	
2	1.27		.070097	47873	PV	0.0000	
3	1.38		.071670	141569	VV	0.0000	
4	1.72	1.70	.072834	1600233	BV	0.0000	TCX
5	1.86		.054086	21468	PV	0.0000	
6	2.01		.069633	151600	BV	0.0000	
7	2.24		.116397	871615	VV	0.0000	
8	2.62		.091625	27529	PV	0.0000	1232
9	2.82		.147077	712390	VV	0.0000	1232
10	3.25		.261554	547747	VV	0.0000	1232
11	3.57		.151886	1169628	VV	0.0000	1232
12	3.89		.174355	519149	VV	0.0000	
13	4.15		.166205	355713	VV	0.0000	
14	4.43		.295841	773563	VV	0.0000	
15	5.21		.243641	609543	VV	0.0000	
16	5.58		.264108	475741	VV	0.0000	
17	6.14		.223047	305233	VV	0.0000	
18	6.47		.366771	876647	VV	0.0000	
19	7.06		.217773	41869	VV	0.0000	
20	7.60		.348442	573250	VV	0.0000	
21	8.02		.235040	45857	VV	0.0000	
22	8.89		.315377	54070	PV	0.0000	
23	9.31		.476906	135375	VV	0.0000	
24	9.97		.398669	165738	VV	0.0000	
25	11.28		.525253	168950	VV	0.0000	
26	12.61		.625310	18871	PV	0.0000	
27	14.35		.559103	108446	PV	0.0000	
28	16.22		.675730	20705	VV	0.0000	
29	20.63		.962820	11097	BV	0.0000	
30	22.83		.916440	20127	PV	0.0000	
31	24.95		.973675	38186	VV	0.0000	
32	28.06	#28.00	1.025650	1877347	BB	0.0000	DBC

Total Area   :   12508852   Total PPB :   0.000

Report Time   : 1433 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH

Result File   : /DATA/LOOP/RESULT/D2B44I_012.RES

IEA Pesticide Standard Report

Sample Name : AR1242 L1   Inj 1433 19Nov1996
Result File : /DATA/LOOP/RESULT/D2B44I_013.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

```
1.091270
1.98316
1.220
2.0885
3.2803
3.188
4.442

5.202
5.577
6.142
6.476

7.603


9.970

11.285




28.050
```

IEA Pesticide Standard Report

Report No : 28.01

Sample Name   : AR1242 L1
Result File   : /DATA/LOOP/RESULT/D2B44I_013.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1433 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample :   1/ 13   Bottle no. : 14

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 NoReference
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		0.000000	10242	BV	0.0000	
2	1.27		0.000000	74453	PV	0.0000	TOX
3	1.72		0.000000	46872	BV	0.0000	
4	1.90		0.000000	5443	PB	0.0000	
5	2.24		0.000000	9732	BV	0.0000	
6	2.62		0.000000	1425	PV	0.0000	
7	2.82		0.000000	31708	FF	0.0000	
8	2.99		0.000000	2283	VV	0.0000	
9	3.26		0.000000	22052	FF	0.0000	1242
10	3.58		0.000000	58351	FF	0.0000	1242
11	3.90		0.000000	19994	FF	0.0000	1242
12	4.16		0.000000	13105	FF	0.0000	
13	4.44		0.000000	32636	FF	0.0000	
14	5.20		0.000000	40185	VV	0.0000	
15	5.58		0.000000	22792	VV	0.0000	
16	6.14		0.000000	14667	PV	0.0000	
17	6.48		0.000000	45647	VV	0.0000	
18	7.60		0.000000	24799	BB	0.0000	
19	9.97		0.000000	5441	PB	0.0000	
20	11.28		0.000000	8137	BV	0.0000	OBC
21	28.05		0.000000	64289	FF	0.0000	

Total Area   :   554252   Total PPB   :   0.000

Report Time   : 0549 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_013.RES

IEA Pesticide Standard Report

Sample Name   : AR1242 L2   Inj 1515 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_014.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.092274
1.718
1.895
242
2.821
3.576
3.893
4.458
5.214
5.581
6.135
6.472
7.608
8.887
9.309
9.981
11.299
14.353
28.088

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 29 00

Sample Name   : AR1242 L2
Result File   : /DATA/LOOP/RESULT/D2B44I_014.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD   Injected on 1515 19Nov1996
Run Time   : 40.00 Mins.
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   : 1/ 14   Bottle no.   : 15

% Dil-Fact
     100.00

Run Status   : RunStatusOK

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.071424	11435	BV	0.0000	
2	1.27		.080315	58816	PV	0.0000	TCX
3	1.72	1.70	.071966	110266	BV	0.0000	
4	1.90		.067416	3875	PB	0.0000	
5	2.24		.110243	44663	PV	0.0000	
6	2.62		.092045	3174	PV	0.0000	
7	2.82		.122599	75459	VV	0.0000	
8	2.99		.079858	4878	VV	0.0000	
9	3.25		.253192	64461	VV	0.0000	1242
10	3.58		.149685	152301	VV	0.0000	1242
11	3.89		.171894	64912	VV	0.0000	1242
12	4.15		.162079	41924	VV	0.0000	
13	4.44		.289679	101640	VV	0.0000	
14	5.21		.248349	79930	VV	0.0000	
15	5.58		.256983	57326	VV	0.0000	
16	6.13		.231107	57671	VV	0.0000	
17	6.47		.351487	113656	VV	0.0000	
18	7.61		.340142	71730	VV	0.0000	
19	8.89		.314892	6976	PV	0.0000	
20	9.31		.470016	16926	VV	0.0000	
21	9.98		.391861	20340	VV	0.0000	
22	11.30		.512514	22012	VV	0.0000	
23	14.35		.539717	13636	BB	0.0000	
24	28.09	#28.00	1.062264	111476	BB	0.0000	DBC

Total Area   : 1309485   Total PPB   : 0.000

Report Time   : 1601 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_014.RES

IEA Pesticide Standard Report

Sample Name : AR1242 L3   Inj 1559 19Nov1996
Result File : /DATA/LOOP/RESULT/D2B44I_015.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.09174
1.719
2.080
2.243
2.622
2.822
2.965
3.578
3.895
4.182
4.441
5.218
5.585
6.151
6.477
7.066
7.612
8.897
9.312
9.984
11.302
12.641
14.369
16.231
20.637
28.103

IFA Pesticide Standard Report

Sample Name   : AR1242 L3
Result File   : /DATA/LOOP/RESULT/D2B44I_015.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1559 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Su seq/Sample   : 1/ 15   Bottle no. : 16

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.068323	13255	BV	0.0000	
2	1.27		.076524	74085	PV	0.0000	
3	1.72	1.70	.070089	280172	BV	0.0000	TCX
4	1.88		.058417	5306	PB	0.0000	
5	2.01		.063615	8695	BV	0.0000	
6	2.24		.108868	106823	PV	0.0000	
7	2.62		.093526	8773	PV	0.0000	
8	2.82		.121259	176612	VV	0.0000	
9	3.00		.087567	14300	VV	0.0000	
10	3.25		.256032	160502	VV	0.0000	1242
11	3.58		.149336	352412	VV	0.0000	
12	3.90		.171590	154216	VV	0.0000	1242
13	4.16		.163692	101853	VV	0.0000	1242
14	4.44		.295536	243646	VV	0.0000	
15	5.22		.244849	186305	VV	0.0000	
16	5.59		.261171	142800	VV	0.0000	
17	6.15		.221515	94851	VV	0.0000	
18	6.48		.363283	274340	VV	0.0000	
19	7.07		.218121	13134	VV	0.0000	
20	7.61		.346065	175595	VV	0.0000	
21	8.90		.310463	16634	PV	0.0000	
22	9.31		.480287	41792	VV	0.0000	
23	9.98		.394108	49683	VV	0.0000	
24	11.30		.516793	53615	VV	0.0000	
25	12.64		.632678	7378	PB	0.0000	
26	14.37		.563532	34580	BV	0.0000	
27	16.23		.672905	7869	VV	0.0000	
28	20.64		.774340	89103	BV	0.0000	DBC
29	28.10	#28.00	1.042881	276214	BB	0.0000	

Total Area   :   3164542   Total PPB   :   0.000

Report Time   : 1642 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_015.RES

IEA Pesticide Standard Report

Sample Name   : AR1242 L4   Inj 1642 19Nov1996

Result File   : /DATA/LOOP/RESULT/D2B44I_016.RES   INSTRUMENT: HP58902B

Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.0889

1.722

1.8023

2.247

2.600   2.826

3.000

3.257

3.583

3.800

4.36

4.446

5.225

5.591

6.157

6.482

7.074

7.618

8.038

8.906

9.320

9.989

11.309

12.644

14.375

16.253

20.627

25.020

28.120

IEA Pesticide Standard Report

Report No : 31.00

Sample Name	:	AR1242 L4
Result File	:	/DATA/LOOP/RESULT/D2B44I_016.RES
Column Type	:	1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	:	HP58902B
Calculation	:	ExternalSTD
Run Time	:	40.00 Mins. Injected on 1642 19Nov1996
Sequence File	:	/DATA/LOOP/SEQUENCE/S2B44I.SEQ
Su..seq/Sample	:	1/ 16 Bottle no. : 17

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.08		.085468	10810	BV	0.0000	
2	1.28		.089801	58327	PV	0.0000	
3	1.72	1.70	.072478	704246	BV	0.0000	TCX
4	1.87		.046065	7042	VB	0.0000	
5	2.01		.071167	29027	BV	0.0000	
6	2.25		.113142	261949	VV	0.0000	
7	2.63		.095383	22360	PV	0.0000	
8	2.83		.123705	414173	VV	0.0000	
9	3.00		.087861	35849	VV	0.0000	
10	3.26		.259968	385755	VV	0.0000	
11	3.58		.151536	820721	VV	0.0000	
12	3.90		.174348	363772	VV	0.0000	
13	4.16		.165784	244620	VV	0.0000	
14	4.45		.299616	566281	VV	0.0000	
15	5.22		.243235	427321	VV	0.0000	
16	5.59		.265145	345950	VV	0.0000	
17	6.16		.225097	228520	VV	0.0000	
18	6.48		.366831	639498	VV	0.0000	
19	7.07		.221545	34061	VV	0.0000	
20	7.62		.351745	426480	VV	0.0000	
21	8.04		.241277	35415	VV	0.0000	
22	8.91		.323481	44441	VV	0.0000	
23	9.32		.485660	106782	VV	0.0000	
24	9.99		.402218	125062	VV	0.0000	
25	11.31		.527120	135211	VV	0.0000	
26	12.64		.621772	18852	PV	0.0000	
27	14.38		.561257	86545	PV	0.0000	
28	16.25		.654881	19068	VV	0.0000	
29	20.63		.543812	210689	BV	0.0000	
30	25.02		.934597	17178	PV	0.0000	
31	28.12	#28.00	1.038231	703663	BB	0.0000	DBC

Total Area   :   7529671   Total PPB   :   0.000

Report Time	:	1725 19Nov1996
Method	:	/DATA/LOOP/METHOD/HP58902B*.MTH
Result File	:	/DATA/LOOP/RESULT/D2B44I_016.RES

IEA Pesticide Standard Report

Sample Name   : AR1242 L5   Inj 1724 19Nov1996
                                                          INSTRUMENT: HP5890?B
Result File   : /DATA/LOOP/RESULT/D2B44I_017.RES
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.0661
1.714
1.0664
2.236
2.625
2.825
3.250
3.575
3.892
4.1
4.433
5.205
5.572
6.135
6.464
7.051
7.595
8.015
8.881
9.296
9.963
11.281
12.603
14.346
16.208
20.638
22.983
24.957
28.073
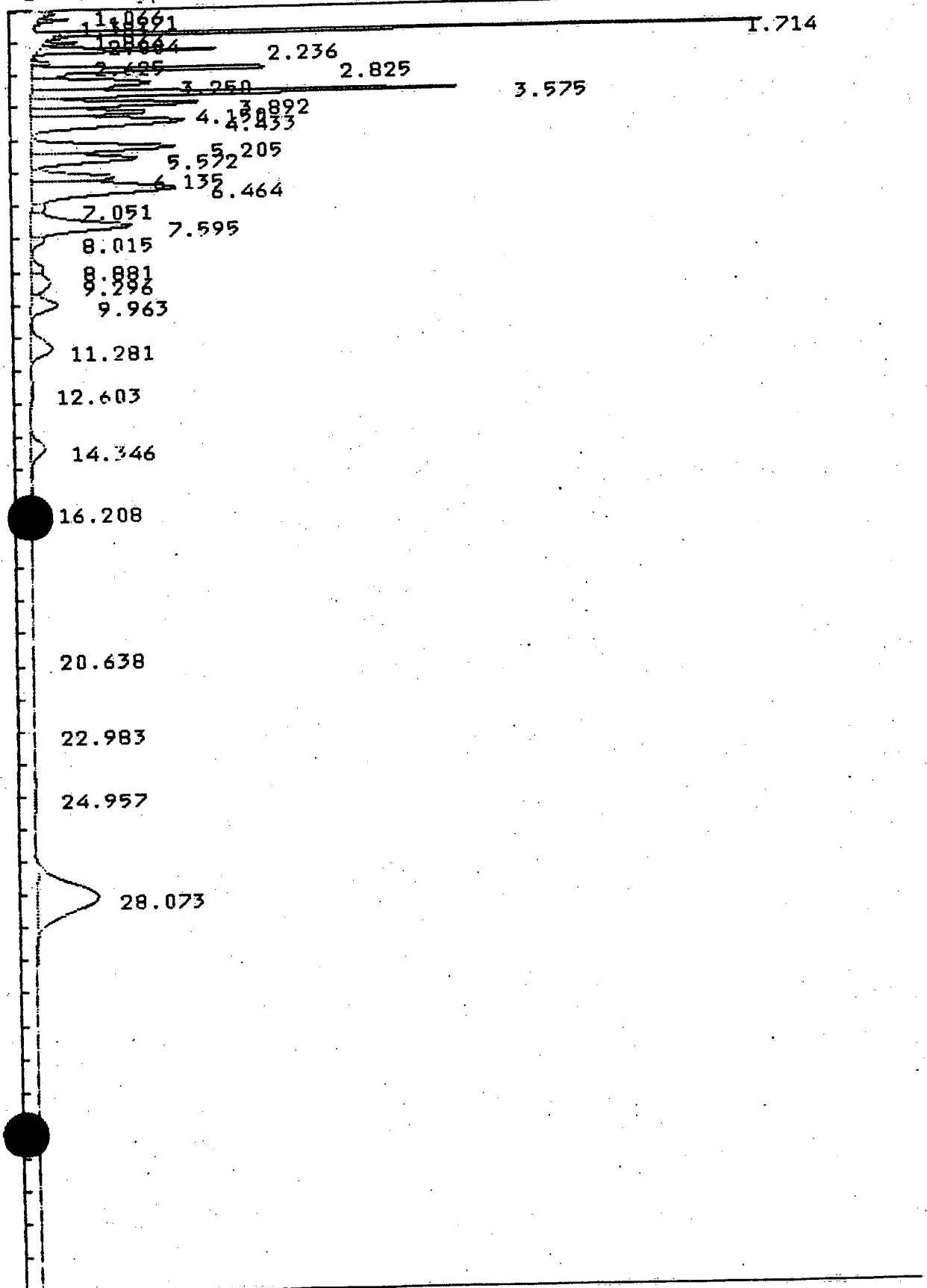
IEA Pesticide Standard Report

Report No : 32.02

Sample Name   : AR1242 L5
Result File   : /DATA/LOOP/RESULT/D2B44I_017.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1724 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   :   1/ 17   Bottle no.   : 18

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   NoReference
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	11231	BV	0.0000	
2	1.27		0.000000	42396	PV	0.0000	
3	1.38		0.000000	5624	VV	0.0000	TCX
4	1.71		0.000000	1011286	BV	0.0000	
5	1.86		0.000000	6903	PB	0.0000	
6	2.00		0.000000	42470	BV	0.0000	
7	2.24		0.000000	383552	VV	0.0000	
8	2.63		0.000000	271723	FF	0.0000	
9	2.82		0.000000	1128072	FF	0.0000	
10	3.25		0.000000	1055761	FF	0.0000	
11	3.57		0.000000	1628236	FF	0.0000	1242
12	3.89		0.000000	905792	FF	0.0000	1242
13	4.15		0.000000	671861	FF	0.0000	1242
14	4.43		0.000000	1577979	FF	0.0000	
15	5.20		0.000000	645967	VV	0.0000	
16	5.57		0.000000	529901	VV	0.0000	
17	6.14		0.000000	351580	VV	0.0000	
18	6.46		0.000000	1001193	VV	0.0000	
19	7.05		0.000000	54960	VV	0.0000	
20	7.40		0.000000	663740	VV	0.0000	
21	8.02		0.000000	59725	VV	0.0000	
22	8.88		0.000000	75327	VV	0.0000	
23	9.30		0.000000	172743	VV	0.0000	
24	9.96		0.000000	201010	VV	0.0000	
25	11.28		0.000000	215960	VV	0.0000	
26	12.60		0.000000	28075	PV	0.0000	
27	14.35		0.000000	140734	PV	0.0000	
28	16.21		0.000000	32658	VV	0.0000	
29	20.64		0.000000	8047	BV	0.0000	
30	22.98		0.000000	10414	PV	0.0000	
31	24.96		0.000000	32679	VV	0.0000	
32	28.07		0.000000	1143409	BB	0.0000	DBC

Total Area   :   14111018   Total PPB   :   0.000

Report Time   : 0630 21Nov1996

Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_017.RES

Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_017.RES

IEA Pesticide Standard Report

Inj 1807 19Nov1996

Sample Name : AR1248 L1   INSTRUMENT: HP58902B
Result File   : /DATA/LOOP/RESULT/D2B44I_018.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

1.086 1.263
1.210
1.380
2.240
2.811
3.240
3.567
3.890
4.125
5.208
5.575
6.142
6.650

7.595

8.882
9.307
9.966

11.295

14.359

28.082

IEA Pesticide Standard Report

Report No : 33.01

Sample Name : AR1248 L1
Result File : /DATA/LOOP/RESULT/D2B44I_018.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.02 Mins.   Injected on 1807 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample : 1/ 18   Bottle no. : 19

% Dil-Fact
    100.00

Run Status : RunStatusOK
             NoReference
             SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		0.000000	10064	BV	0.0000	
2	1.26		0.000000	134874	PV	0.0000	
3	1.71		0.000000	50322	BV	0.0000	TCX
4	1.90		0.000000	5740	PB	0.0000	
5	2.24		0.000000	2516	PV	0.0000	
6	2.81		0.000000	19067	VV	0.0000	
7	3.24		0.000000	12678	VV	0.0000	
8	3.57		0.000000	49906	VV	0.0000	
9	3.89		0.000000	17867	VV	0.0000	
10	4.14		0.000000	10315	VV	0.0000	1248
11	4.43		0.000000	64878	FF	0.0000	1248
12	5.21		0.000000	37374	FF	0.0000	1248
13	5.57		0.000000	25860	FF	0.0000	
14	6.14		0.000000	10048	FF	0.0000	
15	6.65		0.000000	155867	FF	0.0000	
16	7.60		0.000000	67198	VV	0.0000	
17	8.89		0.000000	11937	VV	0.0000	
18	9.31		0.000000	23263	VV	0.0000	
19	9.97		0.000000	27734	VV	0.0000	
20	11.30		0.000000	29810	VV	0.0000	
21	14.36		0.000000	18037	BB	0.0000	
22	28.08		0.000000	49915	BB	0.0000	DBC

Total Area : 835268   Total PPB : 0.000

Report Time : 0633 21Nov1996
Method : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File : /DATA/LOOP/RESULT/D2B44I_018.RES

IEA Pesticide Standard Report

Sample Name   : AR1248 L2   Inj 1850 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_019.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.00268
1.907 1.715
2.241
2.817
3.229 572
3.908
4.433
5.208
5.583
6.145
6.483
7.598
8.035
8.890
9.313
9.964

11.291

12.656

14.355

16.226

20.693

28.073

IEA Pesticide Standard Report

Report No : 34.01

Sample Name   : AR1248 L2
Result File   : /DATA/LOOP/RESULT/D2B44I_019.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1850 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   :   1/ 19   Bottle no.   : 20

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   NoReference
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		0.000000	20311	BV	0.0000	
2	1.27		0.000000	55100	PV	0.0000	TCX
3	1.71		0.000000	110773	BV	0.0000	
4	1.91		0.000000	2736	PB	0.0000	
5	2.24		0.000000	2135	PV	0.0000	
6	2.82		0.000000	37454	VV	0.0000	
7	3.23		0.000000	25520	VV	0.0000	
8	3.57		0.000000	97908	VV	0.0000	
9	3.91		0.000000	23602	FF	0.0000	
10	4.16		0.000000	10494	FF	0.0000	
11	4.43		0.000000	146973	FF	0.0000	1248
12	5.21		0.000000	102293	FF	0.0000	1248
13	5.58		0.000000	82535	FF	0.0000	1248
14	6.15		0.000000	67414	VV	0.0000	
15	6.46		0.000000	228230	VV	0.0000	
16	7.60		0.000000	148950	VV	0.0000	
17	8.04		0.000000	23572	VV	0.0000	
18	8.89		0.000000	28553	VV	0.0000	
19	9.31		0.000000	55799	VV	0.0000	
20	9.96		0.000000	65549	VV	0.0000	
21	11.29		0.000000	76271	VV	0.0000	
22	12.66		0.000000	13419	VB	0.0000	
23	14.35		0.000000	41614	BV	0.0000	
24	16.23		0.000000	11949	VV	0.0000	
25	20.69		0.000000	6430	BB	0.0000	
26	28.07		0.000000	103678	BB	0.0000	DBC

Total Area   :   1589263   Total PPB   :   0.000

Report Time   : 0645 22Nov1996
Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_019.RES

IEA Pesticide Standard Report

Sample Name   : AR1248 L3   Inj 1932 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_020.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.089 1.267 1.715
1.500
1.241
2.218 16
3.240
3.898 .572
4.142 4.426
5.205
5.578
6.148 6.469
7.603
8.039
8.895
9.313
9.969
11.301
12.460
14.363
16.227
20.638
23.115
25.006
28.082

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 35.00

Sample Name   : AR1248 L3
Result File   : /DATA/LOOP/RESULT/D2B44I_020.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1932 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   :   1/ 20   Bottle no. : 21

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.055648	16850	BV	0.0000	
2	1.27		.064467	147857	PV	0.0000	
3	1.71	1.70	.066383	275671	BV	0.0000	TCX
4	1.90		.054683	3885	PB	0.0000	
5	2.24		.069685	5631	PV	0.0000	
6	2.62		.090988	2595	PV	0.0000	
7	2.82		.119254	88401	VV	0.0000	
8	3.24		.251068	62576	VV	0.0000	
9	3.57		.146721	223878	VV	0.0000	
10	3.90		.184422	87933	VV	0.0000	
11	4.15		.151787	50497	VV	0.0000	
12	4.43		.293659	398988	VV	0.0000	1248
13	5.21		.233328	274617	VV	0.0000	1248
14	5.58		.262909	231014	VV	0.0000	1248
15	6.15		.222094	158634	VV	0.0000	
16	6.42		.408509	536773	VV	0.0000	
17	7.60		.390460	352129	VV	0.0000	
18	8.04		.296743	55201	VV	0.0000	
19	8.90		.378798	68113	VV	0.0000	
20	9.31		.495717	134870	VV	0.0000	
21	9.97		.418468	158232	VV	0.0000	
22	11.30		.565707	178918	VV	0.0000	
23	12.66		.700465	29664	VV	0.0000	
24	14.36		.562648	104012	PV	0.0000	
25	16.23		.687220	29648	VV	0.0000	
26	20.64		.714055	7987	BV	0.0000	
27	23.12		1.129181	8997	PV	0.0000	
28	25.01		1.043686	11615	VV	0.0000	
29	28.08	#28.00	1.049249	266249	BB	0.0000	DBC

Total Area   :   3971436   Total PPB   :   0.000

Report Time   : 2018 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH

Result File   : /DATA/LOOP/RESULT/D2B44I_020.RES

IEA Pesticide Standard Report

Sample Name : AR1248 L4   Inj 2017 19Nov1996
Result File : /DATA/LOOP/RESULT/D2B44I_021.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.08875   1.719
2.1165
2.424 2.820
3.201
3.576
3.882
4.428
5.207
5.578
6.148 6.464
7.040
7.603
8.039
8.893
9.311
9.967
11.296
12.651
14.356
16.223
17.457
20.638
23.103
24.992
28.077
32.554

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 36 00

Sample Name   : AR1248 L4
Result File   : /DATA/LOOP/RESULT/D2B44I_021.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP5B902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 2017 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Su seq/Sample   : 1/ 21   Bottle no. : 22

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.076059	13183	BV	0.0000	
2	1.27		.074870	54595	PV	0.0000	
3	1.72	1.70	.072900	656849	BV	0.0000	TCX
4	2.12		.034063	1789	BV	0.0000	
5	2.24		.088688	18224	VV	0.0000	
6	2.62		.094373	6784	PV	0.0000	
7	2.82		.126192	207141	VV	0.0000	
8	3.20		.253866	154357	VV	0.0000	
9	3.58		.151605	514080	VV	0.0000	
10	3.90		.189176	210294	VV	0.0000	
11	4.15		.153019	121358	VV	0.0000	1248
12	4.43		.299044	917254	VV	0.0000	1248
13	5.21		.234279	631458	VV	0.0000	1248
14	5.58		.267089	554758	VV	0.0000	
15	6.15		.226503	375070	VV	0.0000	
16	6.44		.398537	1178447	VV	0.0000	
17	7.04		.199570	83756	VV	0.0000	
18	7.48		.396236	837167	VV	0.0000	
19	8.04		.302875	140970	VV	0.0000	
20	8.84		.377812	170111	VV	0.0000	
21	9.31		.501036	337583	VV	0.0000	
22	9.97		.425158	388510	VV	0.0000	
23	11.30		.586005	447689	VV	0.0000	
24	12.65		.759122	85393	VV	0.0000	
25	14.36		.583724	270401	VV	0.0000	
26	16.27		.722959	84687	VV	0.0000	
27	17.46		.795456	15296	VV	0.0000	
28	20.64		.818616	53643	BV	0.0000	
29	23.10		1.099202	19355	VV	0.0000	
30	24.99		1.023291	28893	VV	0.0000	
31	28.08	#28.00	1.035850	698154	BB	0.0000	DBC
32	32.55		1.693380	14191	BB	0.0000	

Total Area   :   9291442   Total PPB   :   0.000

Re ort Time   : 2101 19Nov1996
 hod   : /DATA/LOOP/METHOD/HP58902B*.MTH
 lt F le   : /DATA/LOOP/RESULT/D2B44I_021.RES

IEA Pesticide Standard Report

Sample Name : AR1248 L5   Inj 2100 19Nov1996

Result File : /DATA/LOOP/RESULT/D2B44I_022.RES   INSTRUMENT: HP58902B

Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.089 1.278   1.721

2.121 2.248

2.536

2.824

3.209

3.580

3.806 4.158

4.434

5.212

5.583

6.154

6.470

7.046

7.608

8.044

8.901

9.317

9.971

11.299

12.654

14.362

16.231

17.462

20.677

23.140

24.994

28.082

32.506
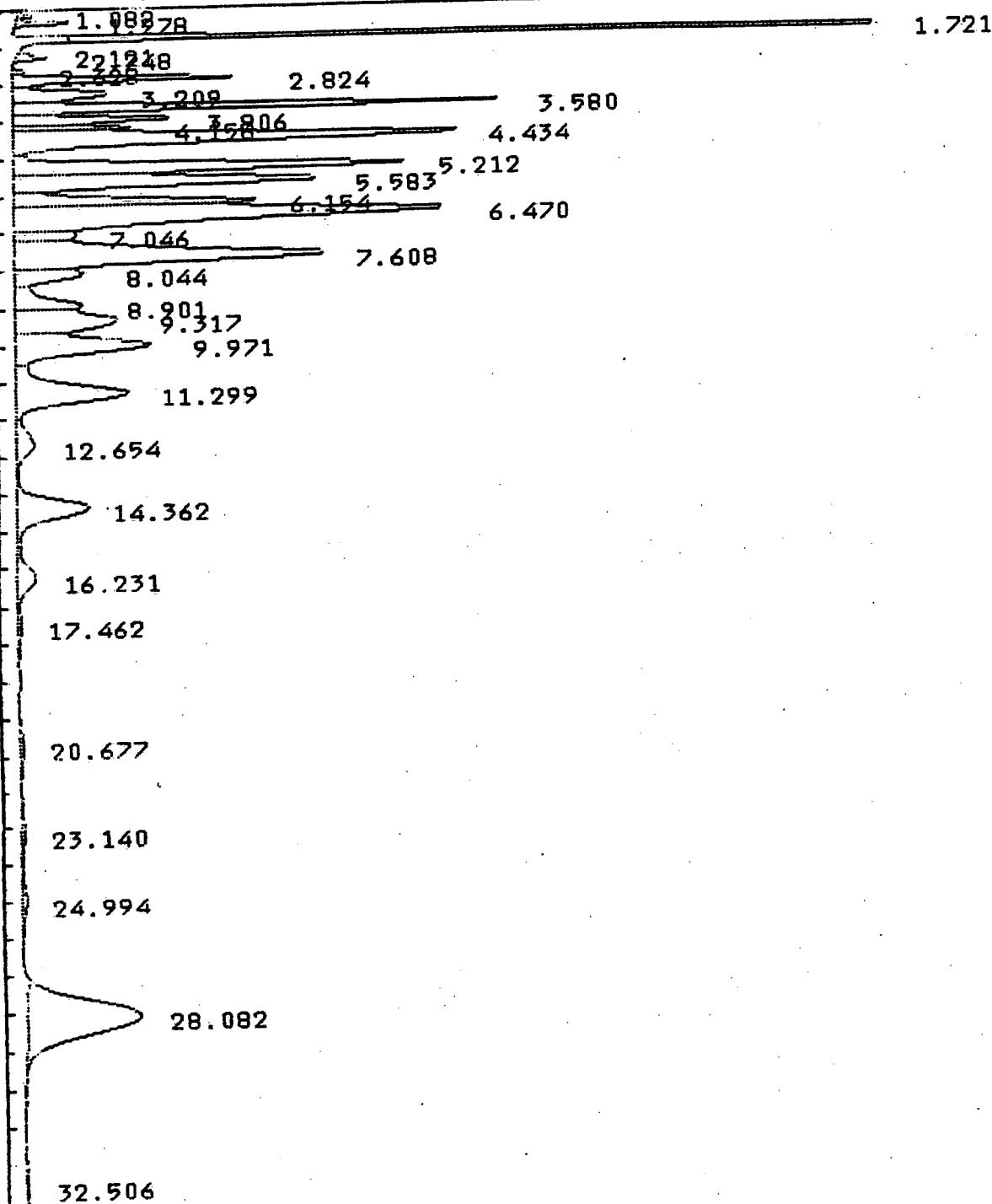
Co███rol] - Instrument 03 will not continue. LAS A/D not ready
In███rument status is 07

IEA Pesticide Standard Report

Report No : 37.00

Sample Name	:	AR1248 L5
Result File	:	/DATA/LOOP/RESULT/D2B44I_022.RES
Column Type	:	1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	:	HP5B902B
Calculation	:	ExternalSTD
Run Time	:	40.02 Mins. Injected on 2100 19Nov1996
Sequence File	:	/DATA/LOOP/SEQUENCE/S2B44I.SEQ
Suseq/Sample	:	1/ 22 Bottle no. : 23

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.08		.085515	24931	BV	0.0000	
2	1.28		.088269	86193	PV	0.0000	
3	1.72	1.70	.079359	1605652	BB	0.0000	TCX
4	2.12		.079407	15332	BV	0.0000	
5	2.25		.106346	55987	VV	0.0000	
6	2.63		.097454	17392	PV	0.0000	
7	2.82		.132486	502531	VV	0.0000	
8	3.21		.252803	381268	VV	0.0000	
9	3.58		.155784	1244967	VV	0.0000	
10	3.91		.192341	505493	VV	0.0000	
11	4.16		.154896	298030	VV	0.0000	
12	4.43		.300737	2165653	VV	0.0000	
13	5.21		.236000	1497335	VV	0.0000	
14	5.58		.269213	1340099	VV	0.0000	
15	6.15		.228843	898457	VV	0.0000	
16	6.47		.398691	2783394	VV	0.0000	
17	7.05		.199748	201191	VV	0.0000	
18	7.61		.397059	2010494	VV	0.0000	
19	8.04		.304805	339544	VV	0.0000	
20	8.90		.380126	415900	VV	0.0000	
21	9.32		.505350	834732	VV	0.0000	
22	9.97		.429085	942771	VV	0.0000	
23	11.30		.595196	1090442	VV	0.0000	
24	12.65		.755666	215343	VV	0.0000	
25	14.36		.589666	685465	VV	0.0000	
26	16.23		.737611	223478	VV	0.0000	
27	17.46		.873982	47896	VV	0.0000	
28	20.68		.937147	61568	VV	0.0000	
29	23.14		1.143089	51402	VV	0.0000	
30	24.99		1.038076	71765	VV	0.0000	
31	28.08	#28.00	1.023987	1872763	BV	0.0000	DBC
32	32.51		1.647672	35537	PB	0.0000	

(handwritten annotations near rows 12-14: "1248" "1248" "1248")

Total Area   :   22523012   Total PPB   :   0.000

Report Time   : 2143 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_022.RES

Total Area   :   22523012   Total PPB   :   0.000

Report Time   : 2143 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_022.RES

IEA Pesticide Standard Report

Sample Name : AR1254 L1
Result File : /DATA/LOOP/RESULT/D2B44I_023.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

Inj 2142 19Nov1996
INSTRUMENT: HP5890!!?B
Inj.Vol : 5 ul

1.270
1.009
1.911   1.716
2.821
3.580
4.395
4.815
5.191
5.576
6.644
6.?12
7.391
8.046
8.897
9.280
9.965
11.316
12.705
14.336
16.224
17.460
20.675
23.227
25.023
28.077
32.552

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 38 00

Sample Name   : AR1254 L1
Result File   : /DATA/LOOP/RESULT/D2B44I_023.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP589028
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 2142 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Si seq/Sample   : 1/ 23   Bottle no. : 24

% Dil-Fact
    100 00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.066848	10666	BV	0.0000	
2	1.27		.079706	88283	PV	0.0000	
3	1.72	1.70	.071201	46566	BV	0.0000	TCX
4	1.91		.070760	4318	PB	0.0000	
5	2.89		.139761	2549	PV	0.0000	
6	3.58		.147432	4908	UV	0.0000	
7	4.39		.221247	32224	UV	0.0000	
8	4.91		.168602	3022	UV	0.0000	
9	5.19		.224794	17127	UV	0.0000	
10	5.58		.233653	6779	UV	0.0000	
11	6.44		.265381	28491	UV	0.0000	
12	6.71		.315900	60712	UV	0.0000	
13	7.39		.473361	88797	UV	0.0000	
14	8.05		.311794	16471	UV	0.0000	
15	8.91		.337806	19745	UV	0.0000	
16	9.28		.431761	47330	UV	0.0000	
17	9.97		.424116	83562	UV	0.0000	1254
18	11.32		.495975	96351	UV	0.0000	1254
19	12.21		.610954	50811	UV	0.0000	1254
20	14.34		.608235	65814	PV	0.0000	
21	16.92		.716691	88095	UV	0.0000	
22	17.46		.772209	8888	UV	0.0000	
23	20.62		.876426	23834	BV	0.0000	
24	23.23		1.031618	14487	UV	0.0000	
25	25.02		1.050521	13036	VB	0.0000	
26	28.08	#28.00	1.063339	47927	BB	0.0000	DBC
27	32.65		1.292689	10581	BB	0.0000	

Total Area   :   981372   Total PPB :   0.000

Report Time   : 2226 19Nov1996
Method   : /DATA/LOOP/METHOD/HP589028*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_023.RES

IEA Pesticide Standard Report

Sample Name : AR1254 L2   Inj 2225 19Nov1996
Result File : /DATA/LOOP/RESULT/D2B44I_024.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.893 1.270   1.717
1.907
2.819
3.295
3.626
3.921
4.392
5.189
5.572
6.425
6.729
7.390
8.046
8.899
9.281
9.966
10.600
11.318
12.709
14.340
16.230
17.467
20.685
23.746
25.048
28.095
32.544
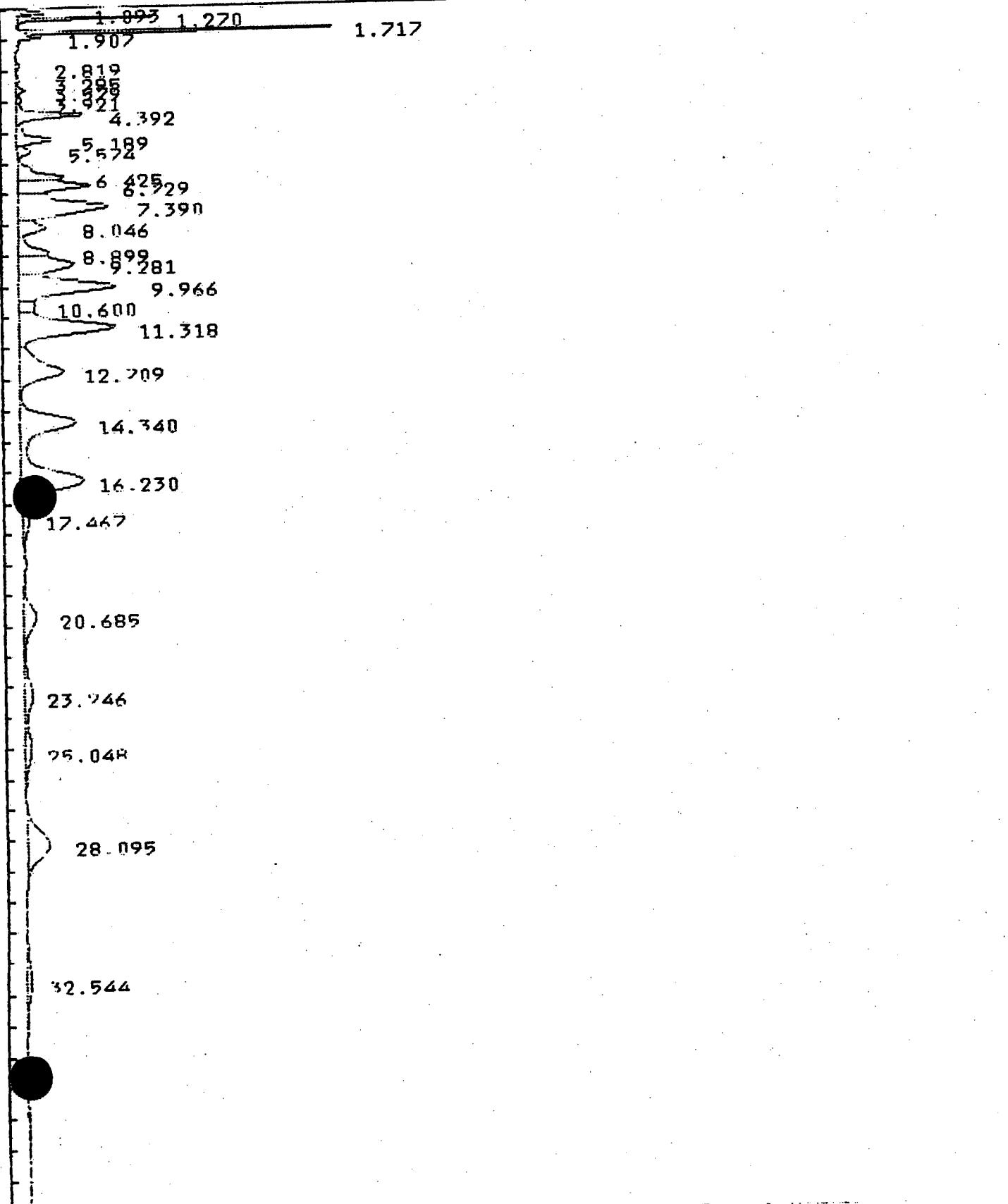
IFA Pesticide Standard Report

Sample Name : AR1254 L2
Result File : /DATA/LOOP/RESULT/D2B44I_024.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol. : 5 ul
Instrument : HP58902B
Calculation : ExternalSTD
Run Time : 40.02 Mins.   Injected on 2225 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Su...seq/Sample : 1/ 24   Bottle no. : 25

% Dil-Fact
   100 00

Run Status : RunStatusOK

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.054922	9475	BV	0.0000	
2	1.27		.063387	48773	PV	0.0000	
3	1.72	1.70	.066206	116285	BV	0.0000	TCX
4	1.91		.061861	3859	PB	0.0000	
5	2.82		.118868	1936	PV	0.0000	
6	3.30		.217548	1909	VV	0.0000	
7	3.58		.164791	6138	VV	0.0000	
8	3.92		.219363	3802	VV	0.0000	
9	4.39		.220479	69528	VV	0.0000	
10	5.19		.258878	41642	VV	0.0000	
11	5.57		.253847	15069	VV	0.0000	
12	6.43		.308456	66843	VV	0.0000	
13	6.73		.295144	100419	VV	0.0000	
14	7.59		.477136	201038	VV	0.0000	
15	8.05		.325193	41673	VV	0.0000	
16	8.90		.341745	48255	VV	0.0000	
17	9.28		.446540	115556	VV	0.0000	
18	9.92		.435560	197493	VV	0.0000	
19	10.60		.309755	22668	VV	0.0000	
20	11.32		.513786	227919	VV	0.0000	1254
21	12.71		.647791	128953	VV	0.0000	1254
22	14.34		.625641	158212	VV	0.0000	1254
23	16.23		.724023	208192	VV	0.0000	
24	17.47		.943888	32154	VV	0.0000	
25	20.69		.963510	57537	VV	0.0000	
26	23.25		1.190375	44063	VV	0.0000	
27	25.05		1.124429	32836	VV	0.0000	
28	28.09	#28.00	1.057649	105706	BB	0.0000	DBC
29	32.54		1.312059	24896	BB	0.0000	

Total Area : 2132831   Total PPB : 0.000

Report Time : 2308 19Nov1996
Method : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File : /DATA/LOOP/RESULT/D2B44I_024.RES

IEA Pesticide Standard Report

Sample Name : AR1254 L3   Inj 2307 19Nov1996   INSTRUMENT: HP589028
Re-ult File : /DATA/LOOP/RESULT/02B44I_025.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul

000201
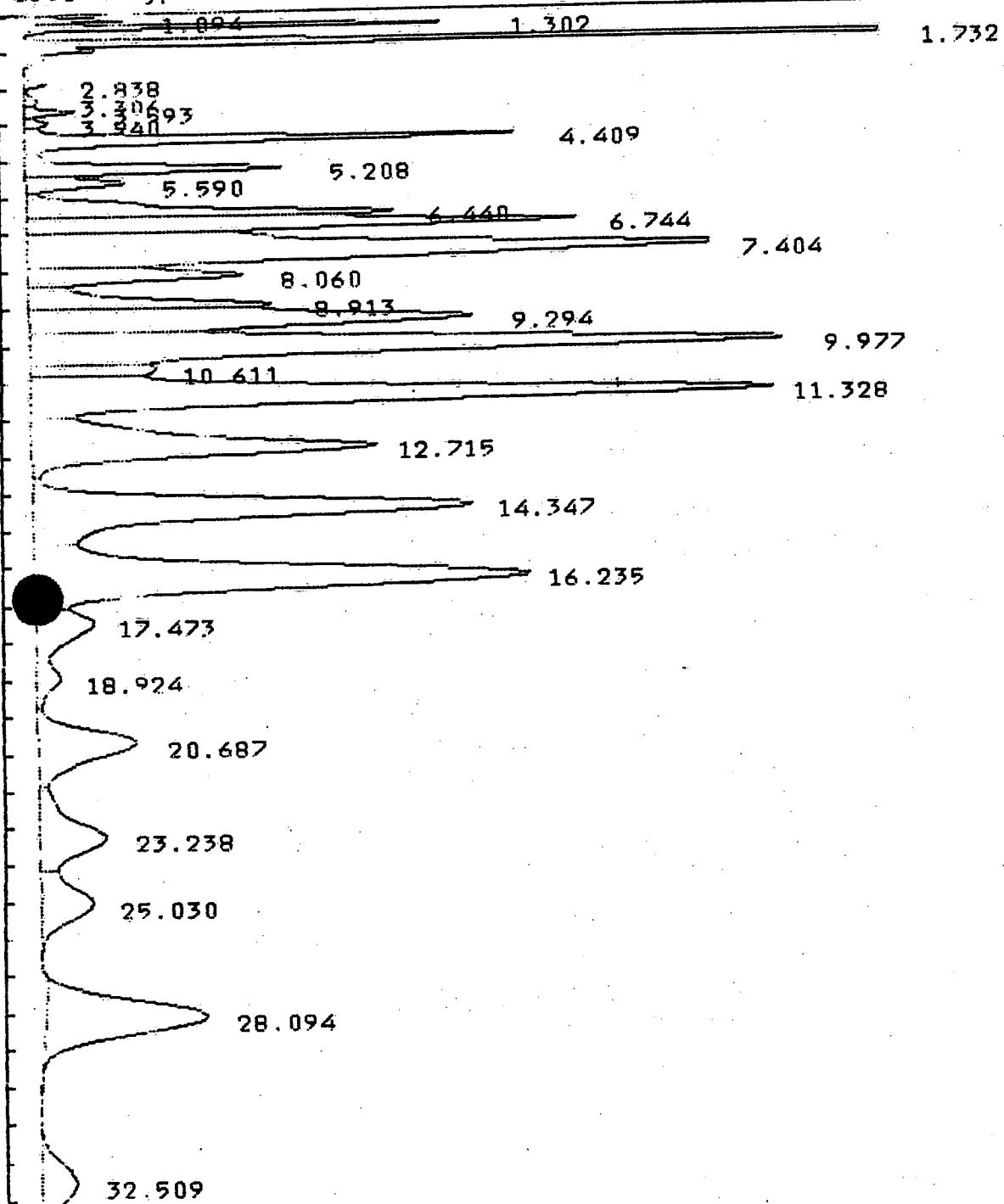
Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 40.00

Sample Name	:	AR1254 L3
Result File	:	/DATA/LOOP/RESULT/D2844I_025.RES
Column Type	:	1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	:	HP58902B
Calculation	:	ExternalSTD
Run Time	:	40.00 Mins. Injected on 2307 19Nov1996
Sequence File	:	/DATA/LOOP/SEQUENCE/S2844I.SEQ
Subseq/Sample	:	1/ 25 Bottle no. : 26

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.09		.096493	11362	BV	0.0000	
2	1.30		.093819	61404	PV	0.0000	
3	1.73	1.70	.088322	264091	BV	0.0000	TCX
4	2.84		.149108	4957	BV	0.0000	
5	3.31		.229964	4754	VV	0.0000	
6	3.59		.167160	12641	VV	0.0000	
7	3.94		.222569	7708	VV	0.0000	
8	4.41		.223597	164919	VV	0.0000	
9	5.21		.235007	89752	VV	0.0000	
10	5.69		.250943	37214	VV	0.0000	
11	6.44		.312534	169665	VV	0.0000	
12	6.74		.300149	244973	VV	0.0000	
13	7.40		.485286	495833	VV	0.0000	
14	8.06		.327369	104147	VV	0.0000	
15	8.91		.341113	121315	VV	0.0000	
16	9.79		.447098	293098	VV	0.0000	
17	9.98		.438624	491841	VV	0.0000	
18	10.41		.305389	56942	VV	0.0000	1254
19	11.33		.518884	569191	VV	0.0000	1254
20	12.72		.647136	328017	VV	0.0000	1254
21	14.35		.626993	405981	VV	0.0000	
22	16.73		.722281	527806	VV	0.0000	
23	17.47		.911730	78454	VV	0.0000	
24	18.99		.798246	27628	VV	0.0000	
25	20.69		.941042	135272	VV	0.0000	
26	23.94		1.132440	110766	VV	0.0000	
27	25.03		1.103922	84000	VV	0.0000	
28	28.09	#28.00	1.045392	248615	BB	0.0000	DBC
29	32.51		1.313804	66535	BB	0.0000	

Total Area   :   5218883   Total PPB :   0.000

Report Time   : 2351 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH

IEA Pesticide Standard Report

Sample Name   : AR1254 L4   Inj 2350 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2844I_026.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul
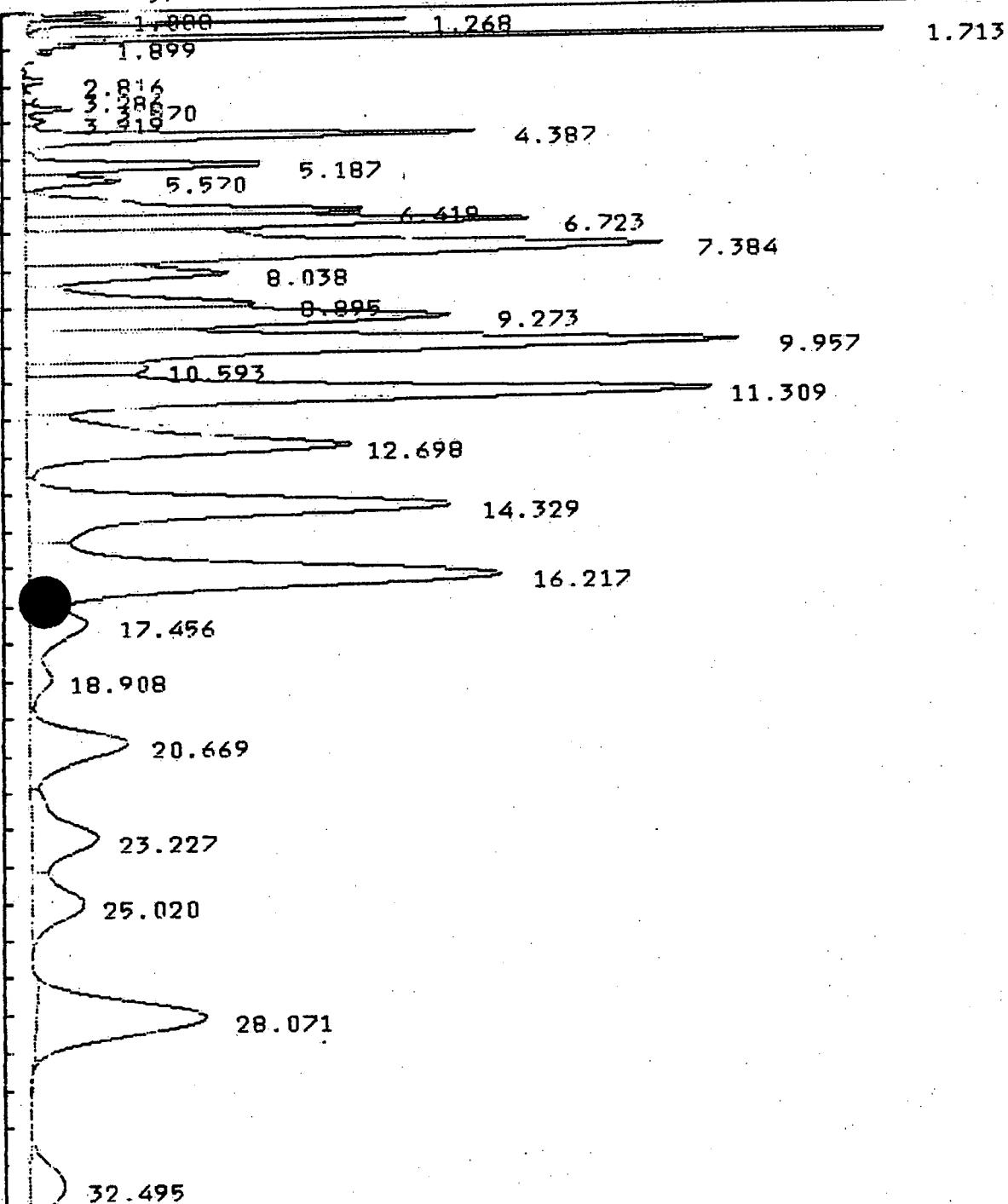
1.000   1.268   1.713
1.899
2.816
3.382
3.870
3.919
4.387
5.187
5.570
6.418
6.723
7.384
8.038
8.895
9.273
9.957
10.593
11.309
12.698
14.329
16.217
17.456
18.908
20.669
23.227
25.020
28.071
32.495

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Sample Name	: AR1254 L4		Report No : 41.00
Result File	: /DATA/LOOP/RESULT/D2844I_026.RES		
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT		Inj.Vol. : 5 ul
Instrument	: HP589028		
Calculation	: ExternalSTD		
Run Time	: 40.02 Mins.	Injected on 2350 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2844I.SEQ		
Subseq/Sample	: 1/ 26	Bottle no. : 27	

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.19		.064828	24692	BV	0.0000	
2	1.27		.068355	107404	PV	0.0000	
3	1.71	1.70	.067977	595591	BV	0.0000	TCX
4	1.90		.032230	2260	PB	0.0000	
5	2.82		.128219	10819	VV	0.0000	
6	3.29		.220232	10626	VV	0.0000	
7	3.57		.149171	26174	VV	0.0000	
8	3.92		.201049	15397	VV	0.0000	
9	4.39		.218092	363285	VV	0.0000	
10	5.19		.223078	197101	VV	0.0000	
11	5.57		.243258	85557	VV	0.0000	
12	6.42		.313991	385351	VV	0.0000	
13	6.79		.297996	543302	VV	0.0000	
14	7.38		.489928	1112313	VV	0.0000	
15	8.04		.326547	238219	VV	0.0000	
16	8.89		.337788	275826	VV	0.0000	
17	9.27		.451151	685074	VV	0.0000	
18	9.96		.442346	1125842	VV	0.0000	
19	10.54		.301809	130687	VV	0.0000	
20	11.31		.527054	1294572	VV	0.0000	
21	12.70		.653906	757855	VV	0.0000	
22	14.33		.631278	952834	VV	0.0000	
23	16.22		.730667	1234808	VV	0.0000	
24	17.46		.905560	185444	VV	0.0000	
25	18.91		.769415	61198	VV	0.0000	
26	20.67		.937698	324957	VV	0.0000	
27	23.23		1.126967	268625	VV	0.0000	
28	25.02		1.106383	206882	VV	0.0000	
29	28.02	#28.00	1.031610	629909	BV	0.0000	DBC
30	32.50		1.312516	163737	PB	0.0000	

Total Area   :   12016342   Total PPB :   0.000

Report Time   : 0033 20Nov1996
Me hod   : /DATA/LOOP/METHOD/HP58902B*.MTH
ult File   : /DATA/LOOP/RESULT/D2B44I_026.RES

IEA Pesticide Standard Report

Sample Name : AR1254 L5
Re⋅⋅lt F⋅le : /DATA/LOOP/RESULT/D2B44I_027.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

Inj 0032 20Nov1996
INSTRUMENT: HP58902B
Inj.Vol : 5 ul

1.887 1.284 1.726
2.22589
2.830
3.298
3.933 3.584 4.402
5.203
5.585
6.433 6.737
7.398
8.053
8.911 9.288
9.971
10.606 11.322
12.710
14.344
16.231
17.474
18.923
20.686
23.243
25.034
28.092
32.512
38.526
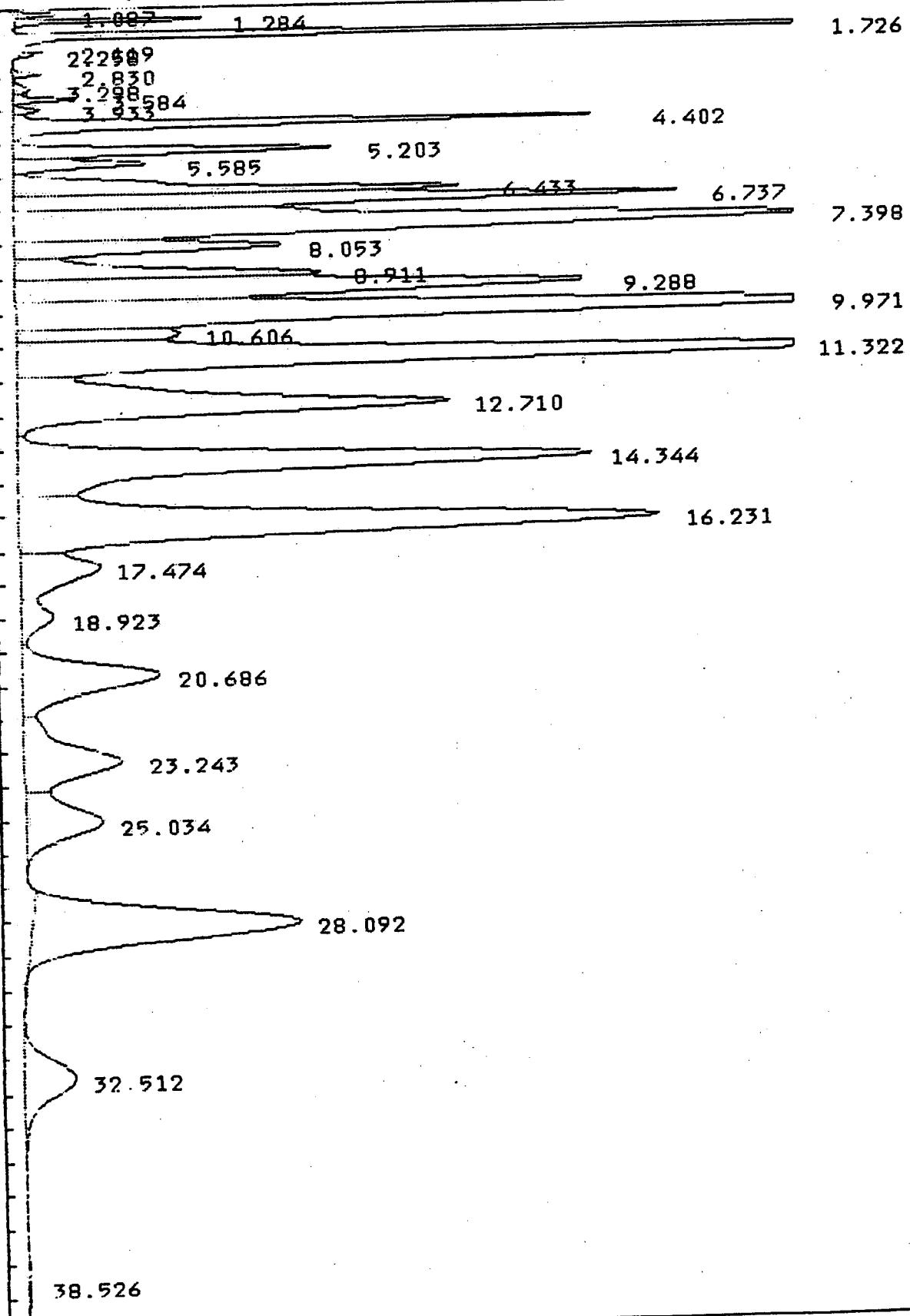
Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Sample Name	: AR1254 L5	Report No : 42.00	
Result File	: /DATA/LOOP/RESULT/D2B44I_027.RES		
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul		
Instrument	: HP58902B		
Calculation	: ExternalSTD		
Run Time	: 40.02 Mins. Injected on 0032 20Nov1996		
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44I.SEQ		
St seq/Sample	: 1/ 27	Bottle no. : 28	

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.14		.086573	25403	BV	0.0000	
	1.28		.081488	126126	UV	0.0000	
	1.73	1.70	.076891	1533072	BB	0.0000	TCX
4	2.12		.065295	11324	BV	0.0000	
5	2.26		.067779	5930	UV	0.0000	
6	2.83		.129359	25561	UV	0.0000	
7	3.30		.220426	25413	UV	0.0000	
8	3.58		.149491	61729	UV	0.0000	
9	3.93		.193950	34054	UV	0.0000	
10	4.40		.220299	852684	UV	0.0000	
11	5.20		.219443	457750	UV	0.0000	
12	5.58		.243386	212289	UV	0.0000	
13	6.44		.317225	919268	UV	0.0000	
14	6.74		.299140	1285409	UV	0.0000	
15	7.40		.491159	2629045	UV	0.0000	
16	8.05		.328904	570266	UV	0.0000	
17	8.49		.335354	657904	UV	0.0000	
18	9.29		.454760	1681162	UV	0.0000	
19	9.92		.442473	2711664	UV	0.0000	
20	10.61		.303144	321590	UV	0.0000	
21	11.39		.527381	3098485	UV	0.0000	1254
22	12.71		.659738	1842790	UV	0.0000	1254
23	14.34		.637789	2364134	UV	0.0000	1254
24	16.23		.736314	3036984	UV	0.0000	
25	17.42		.907927	477141	UV	0.0000	
26	18.92		.761787	159098	UV	0.0000	
27	20.49		.942177	833479	UV	0.0000	
	23.24		1.127467	709019	UV	0.0000	
	25.04		1.104390	546588	UV	0.0000	
30	28.09	#28.00	1.028140	1777489	BV	0.0000	DBC
31	32.63		1.309675	434206	PB	0.0000	
32	38.53		1.342702	14932	BB	0.0000	

Total Area   :   29441992   Total PPB   :   0.000

Report Time   : 0116 20Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_027.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L1   Inj 0114 20Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_028.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.095 .275
1.986 .221
2.226
2.633 .33
3.46 .692
3.185
4.482
5.225
5.592
6.167
6.735
7.391

10.195

11.324

12.736

14.377

16.229

17.403

19.752

21.219

22.376

25.118

28.107

32.536

IEA Pesticide Standard Report

Report No : 43.01

Sample Name   : AR1660 L1
Result File   : /DATA/LOOP/RESULT/D2B44I_028.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 0114 20Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample : 1/ 28   Bottle no. : 29

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 NoReference
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.10		0.000000	16064	BV	0.0000	
2	1.27		0.000000	90706	PV	0.0000	
3	1.72		0.000000	47784	BV	0.0000	TX
4	1.91		0.000000	5216	PB	0.0000	
5	2.25		0.000000	16325	BV	0.0000	
6	2.63		0.000000	1626	FF	0.0000	
7	2.83		0.000000	41419	FF	0.0000	
8	3.27		0.000000	28234	FF	0.0000	
9	3.59		0.000000	74869	FF	0.0000	101t
10	3.91		0.000000	26053	FF	0.0000	
11	4.17		0.000000	17871	FF	0.0000	
12	4.44		0.000000	52461	FF	0.0000	
13	5.23		0.000000	35541	FF	0.0000	1016
14	5.59		0.000000	21796	FF	0.0000	101v
15	6.17		0.000000	6967	FF	0.0000	
16	6.73		0.000000	34529	VV	0.0000	
17	7.39		0.000000	30570	VV	0.0000	
18	10.19		0.000000	62116	PV	0.0000	
19	11.32		0.000000	65684	VV	0.0000	
20	12.74		0.000000	94129	VV	0.0000	
21	14.38		0.000000	69257	PV	0.0000	
22	16.23		0.000000	117076	VV	0.0000	
23	17.40		0.000000	84306	VV	0.0000	
24	19.75		0.000000	7092	VV	0.0000	
25	21.22		0.000000	58275	VV	0.0000	1260
26	22.38		0.000000	53534	VV	0.0000	
27	25.12		0.000000	137272	VV	0.0000	1260
28	28.11		0.000000	43319	BB	0.0000	082
29	32.54		0.000000	134616	BB	0.0000	1260

Total Area   :   1474710   Total PPB   :   0.000

Report Time   : 0659 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_028.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L2
Result File   : /DATA/LOOP/RESULT/D2B44I_029.RES
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

Inj 0157 20Nov1996
INSTRUMENT: HP5890B
Inj.Vol : 5 ul

1.087272
1.720
11.882
1.245
2.633
2.833
3.258
3.592
3.908
4.150
4.450
5.225
5.592
6.153
6.718
7.387

9.281
10.233
11.315
12.724
14.364
16.211
17.383
19.714
21.200
22.338
25.086
28.076
32.486
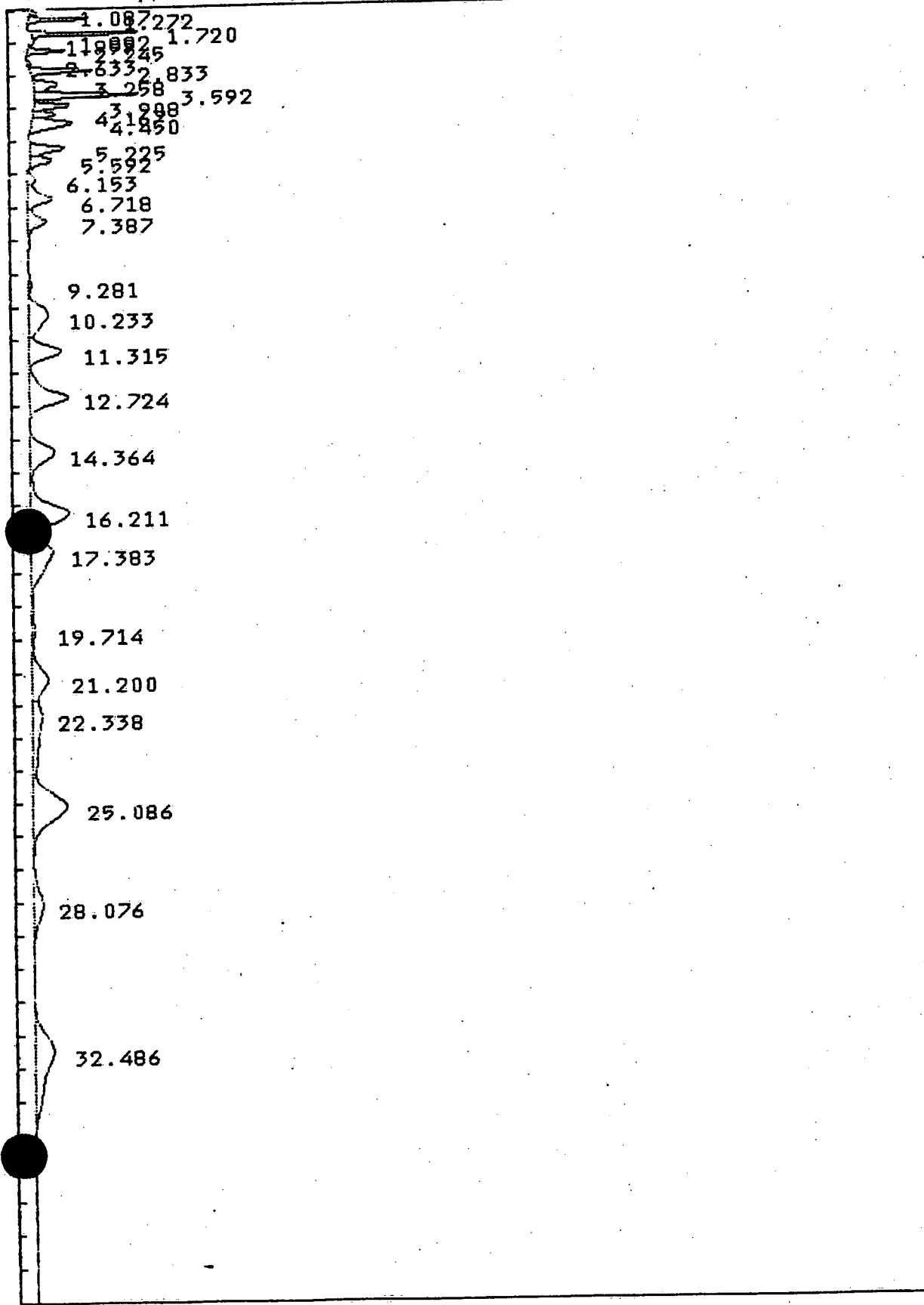
Method   : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44I_029.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Inj 0239 20Nov1996
Re…lt F‥ie   : /DATA/LOOP/RESULT/D2B44I_030.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul
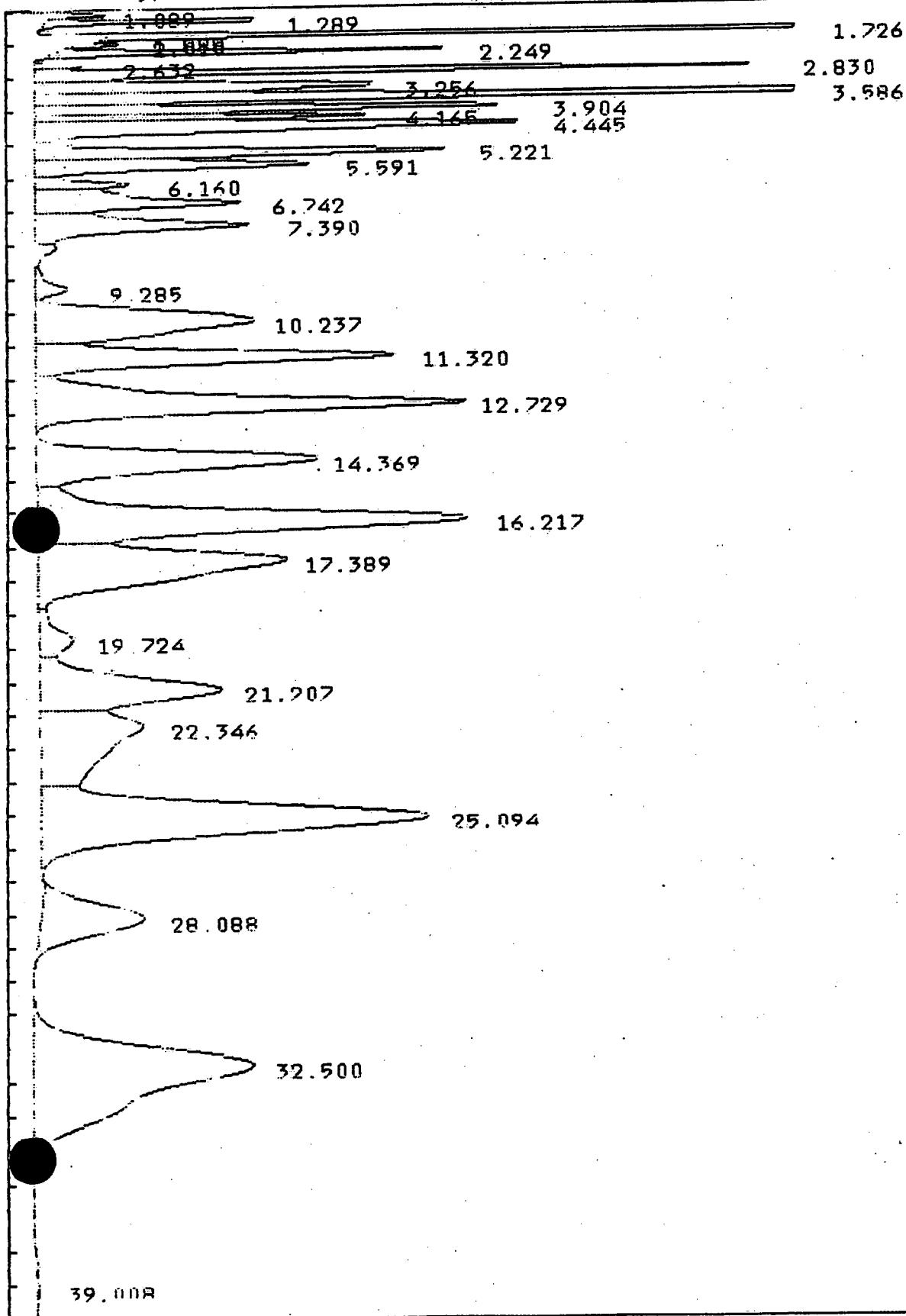
1.889
1.289
1.726
2.888
2.249
2.830
2.632
3.256
3.586
3.904
4.166
4.445
5.221
5.591
6.160
6.742
7.390
9.285
10.237
11.320
12.729
14.369
16.217
17.389
19.724
21.207
22.346
25.094
28.088
32.500
39.008

Control - Instrument 03 will not continue. LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No : 45.00

Sample Name   : AR1660 L3
Result File   : /DATA/LOOP/RESULT/D2B44I_030.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD   Injected on 0239 20Nov1996
Run Time   : 40.00 Mins.
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   : 1/ 30   Bottle no. : 31

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.19		.083615	10514	BV	0.0000	
2	1.29		.099394	53922	PV	0.0000	
3	1.73	1.70	.084809	261305	BV	0.0000	TCX
4	1.89		.052628	2853	PB	0.0000	
5	2.01		.074629	6060	BV	0.0000	
6	2.25		.120202	111458	PV	0.0000	
7	2.63		.100283	11427	PV	0.0000	
8	2.83		.143344	245986	VV	0.0000	
9	3.26		.258874	204673	VV	0.0000	1016
10	3.59		.162124	456515	VV	0.0000	
11	3.98		.182090	202045	VV	0.0000	
12	4.17		.171195	132505	VV	0.0000	
13	4.45		.306976	347182	VV	0.0000	1016
14	5.22		.246674	235671	VV	0.0000	1016
15	5.54		.272455	173217	VV	0.0000	
16	6.16		.268975	59780	VV	0.0000	
17	6.74		.399766	189810	VV	0.0000	
18	7.39		.392280	194764	VV	0.0000	
19	9.29		.423691	31672	VV	0.0000	
20	10.24		.760646	383294	VV	0.0000	
21	11.32		.456669	374787	VV	0.0000	
22	12.73		.581159	574483	VV	0.0000	
23	14.37		.640266	411457	PV	0.0000	
24	16.22		.716737	707526	VV	0.0000	
25	17.39		.970478	554439	VV	0.0000	
26	19.72		.825867	62513	VV	0.0000	1260
27	21.21		.898332	376749	VV	0.0000	
28	22.35		1.501603	355366	VV	0.0000	1260
29	25.09		1.010764	897296	VV	0.0000	DBC
30	28.09	#28.00	1.062238	253077	BV	0.0000	1260
31	32.50		1.729908	876502	PV	0.0000	
32	39.01		1.218137	5073	PB	0.0000	

Total Area   :   8763924   Total PPB   :   0.000

▮ort Time   :   0323 20Nov1996
▮od   :   /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   :   /DATA/LOOP/RESULT/D2B44I_030.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L4   Inj 0321 20Nov1996
Result File   : /DATA/LOOP/RESULT/D2B44I_031.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.092
1.278
1.721
1.8/812
2.245
2.826
2.627
2.998
3.252
3.583
3.901
4.163
4.444
5.220
5.590
6.158
6.741
7.390
8.042
9.285
10.237
11.319
12.729
14.366
16.214
17.386
19.713
21.198
22.334
25.078
28.068
32.472

rol - Instrument 03 will not continue. LAS A/D not ready
trument status is 07

IEA Pesticide Standard Report

Report No : 46.00

Sample Name   : AR1660 L4
Result File   : /DATA/LOOP/RESULT/D2B44I_031.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 0321 20Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44I.SEQ
Subseq/Sample   : 1/ 31   Bottle no. : 32

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.08		.083539	12447	BV	0.0000	
2	1.28		.098611	93957	PV	0.0000	
3	1.72	1.70	.082179	652401	BV	0.0000	TCX
4	1.87		.018137	1550	PB	0.0000	
5	2.01		.075410	22326	BV	0.0000	
6	2.25		.120629	277803	VV	0.0000	
7	2.63		.100668	30247	PV	0.0000	
8	2.83		.132571	555176	VV	0.0000	
9	3.00		.079721	41918	VV	0.0000	
10	3.25		.261733	509434	VV	0.0000	
11	3.58		.159511	1095748	VV	0.0000	1016
12	3.98		.181087	487183	VV	0.0000	
13	4.16		.170621	326713	VV	0.0000	
14	4.44		.307618	827056	VV	0.0000	
15	5.22		.242412	559040	VV	0.0000	1016
16	5.59		.270909	427683	VV	0.0000	1016
17	6.16		.263776	142316	VV	0.0000	
18	6.74		.395051	453262	VV	0.0000	
19	7.39		.385241	455669	VV	0.0000	
20	8.04		.342138	35503	VV	0.0000	
21	9.29		.381281	70739	VV	0.0000	
22	10.24		.766639	948407	VV	0.0000	
23	11.32		.461281	913085	VV	0.0000	
24	12.73		.589510	1417017	VV	0.0000	
25	14.37		.644393	1040675	PV	0.0000	
26	16.21		.726348	1777254	VV	0.0000	
27	17.39		.984573	1409745	VV	0.0000	
28	19.71		.821286	162583	VV	0.0000	
29	21.20		.895530	943844	VV	0.0000	1w0
30	22.33		1.525644	924095	VV	0.0000	
31	25.08		1.020694	2322420	VV	0.0000	1w0
32	28.07	#28.00	1.041839	693149	BV	0.0000	DBC
33	32.47		1.746384	2286802	PV	0.0000	1w0

Total Area   :   21917256   Total PPB   :   0.000

Report Time   : 0405 20Nov1996
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2844I_031.RES

Report Time   : 0405 20Nov1996
Method   :
Result File   : /DATA/LOOP/RESULT/D2844I_031.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L5   Inj 0404 20Nov1996
Result File : /DATA/LOOP/RESULT/D2B44I_032.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol : 5 ul
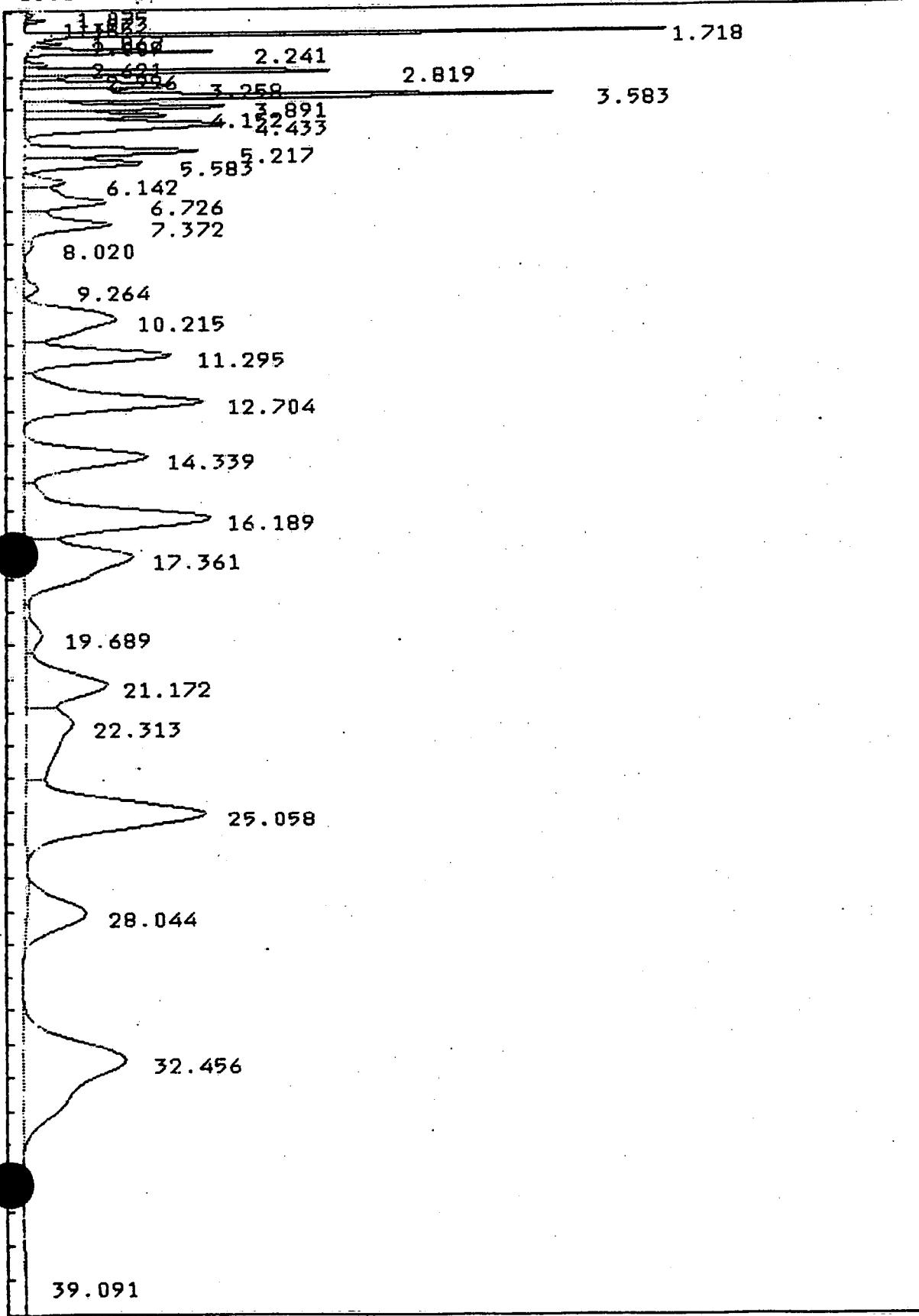
1.825
1.718
2.241
2.819
3.258
3.583
3.891
4.152
4.433
5.217
5.583
6.142
6.726
7.372
8.020
9.264
10.215
11.295
12.704
14.339
16.189
17.361
19.689
21.172
22.313
25.058
28.044
32.456
39.091

IEA Pesticide Standard Report

1.548 1.751
2.473 165
3.059
4.669

6.543
7.210

8.469
9.216

10.963

12.702

14.338

17.187

28.041

IEA Pesticide Standard Report

		Report No : 19.00
Sample Name	: AR1221 L1	
Result File	: /DATA/LOOP/RESULT/D2A44I_004.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 0807 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 4	Bottle no. : 4

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		.056632	24048	BV	0.0000	
2	1.58		.058631	9622	PV	0.0000	
3	1.75		.114302	381338	VV	0.0000	
4	2.17	2.17	.126933	281634	PV	0.0000	TCX
5	2.47		.146009	130891	VV	0.0000	1221
6	3.06		.155633	19263	VV	0.0000	1221
7	3.34		.105052	1482	PV	0.0000	1221
8	3.62		.152420	5156	PV	0.0000	
9	3.84		.201367	12651	VV	0.0000	
10	4.09		.254586	10197	VV	0.0000	
11	4.67		.435790	40916	VV	0.0000	
12	6.54		.353216	9926	VV	0.0000	
13	7.21		.283425	3524	PV	0.0000	
14	8.47		.427976	29045	PV	0.0000	
15	9.22		.433854	8263	VV	0.0000	
16	10.96		.541648	6758	VV	0.0000	
17	12.70		.697085	9879	PV	0.0000	
18	14.34		.984262	18049	VV	0.0000	
19	17.19		1.043241	13030	PV	0.0000	
20	28.04	#27.80	.336707	49021	BB	0.0000	DBC

Total Area   :   1064693   Total PPB   :   0.000

Report Time : 0848 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_004.RES

IEA Pesticide Standard Report

Sample Name : AR1221 L2   Inj 0850 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_005.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.667   1.751
2.473   2.166
3.960
3.396
3.842
4.088
4.668
5.207

6.551
7.218
7.630
8.483
9.247

10.951

12.698

28.008

IEA Pesticide Standard Report

		Report No : 20.01
Sample Name	: AR1221 L2	
Result File	: /DATA/LOOP/RESULT/D2A44I_005.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 0850 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Su seq/Sample	: 1/ 5	Bottle no. : 5

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                NoReference
                SpecialInteg

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	27686	BV	0.0000	
2	1.59		0.000000	39019	VV	0.0000	
3	1.75		0.000000	430616	VV	0.0000	TCX
4	2.17		0.000000	520256	PV	0.0000	121
5	2.47		0.000000	281173	VV	0.0000	121
6	3.06		0.000000	50302	PV	0.0000	1221
7	3.34		0.000000	5822	VV	0.0000	
8	3.84		0.000000	32328	PV	0.0000	
9	4.08		0.000000	14512	VV	0.0000	
10	4.67		0.000000	14892	PV	0.0000	
11	5.21		0.000000	6890	VV	0.0000	
12	6.55		0.000000	14772	PV	0.0000	
13	7.22		0.000000	4708	PV	0.0000	
14	7.63		0.000000	5483	VV	0.0000	
15	8.48		0.000000	33378	PV	0.0000	
16	9.25		0.000000	9344	VV	0.0000	
17	10.95		0.000000	11570	VV	0.0000	
18	12.70		0.000000	11960	PV	0.0000	
19	28.01		0.000000	456426	FF	0.0000	DSC

Total Area   : .   1971139   Total PPB :   0.000

Report Time   : 0919 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_005.RES

IEA Pesticide Standard Report

Sample Name : AR1221 L3   Inj 0932 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_006.RES   INSTRUMENT: HP5890A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.590754
2.476   2.168
3.063
3.393
4.046
4.080
4.666
5.221
5.517

6.575

7.578

8.474

10.269
10.943

12.747

13.763

14.861

17.027

22.048

28.033

IEA Pesticide Standard Report

		Report No : 21.01
Sample Name	: AR1221 L3	
Result File	: /DATA/LOOP/RESULT/D2A44I_006.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 0932 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 6	Bottle no. : 6

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                  NoReference
                  SpecialInteg

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.59		0.000000	128979	PV	0.0000	
2	1.75		0.000000	438940	VV	0.0000	Tcl
3	2.17		0.000000	1364284	PV	0.0000	1221
4	2.48		0.000000	718341	VV	0.0000	1221
5	3.06		0.000000	138728	PV	0.0000	1221
6	3.33		0.000000	21970	VV	0.0000	
7	3.85		0.000000	88536	PV	0.0000	
8	4.08		0.000000	46980	VV	0.0000	
9	4.67		0.000000	14834	VV	0.0000	
10	5.22		0.000000	12249	PV	0.0000	
11	5.52		0.000000	6738	VV	0.0000	
12	6.57		0.000000	31292	PV	0.0000	
13	7.58		0.000000	28363	VV	0.0000	
14	8.47		0.000000	889313	VV	0.0000	
15	10.27		0.000000	11076	VV	0.0000	
16	10.94		0.000000	35146	VV	0.0000	
17	12.75		0.000000	33476	PV	0.0000	
18	13.76		0.000000	14693	VV	0.0000	
19	14.86		0.000000	22750	VV	0.0000	
20	17.03		0.000000	21715	PV	0.0000	
21	22.05		0.000000	5396	PV	0.0000	
22	28.03		0.000000	1164116	FF	0.0000	DBV

Total Area   :   5237915 .   Total PPB   :   0.000

Report Time   : 0923 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_006.RES

IEA Pesticide Standard Report

Sample Name : AR1221 L4   Inj 1015 19Nov1996   INSTRUMENT: HP58902A
Result File : /DATA/LOOP/RESULT/D2A44I_007.RES
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.439582
1.182882
2.158
2.466
3.051
3.222
4.060
4.653
5.210
5.479
6.553
7.608
8.481
9.233
10.245
10.881
12.712
13.761
14.847
16.942
19.338
22.056
23.179
27.981

IEA Pesticide Standard Report

Sample Name	: AR1221 L4	Report No : 22.00
Result File	: /DATA/LOOP/RESULT/D2A44I_007.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 1015 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 7 Bottle no. : 7	

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.039177	14525	BV	0.0000	
2	1.58		.087191	342711	VV	0.0000	
3	1.75		.105583	226450	VV	0.0000	
4	1.87		.091942	118543	VV	0.0000	
5	2.16	2.17	.139763	3119928	VV	0.0000	TCX
6	2.47		.152042	1609033	VV	0.0000	1221
7	3.05		.176507	316670	PV	0.0000	1221
8	3.32		.145470	53152	VV	0.0000	1221
9	3.83		.227055	208460	VV	0.0000	
10	4.06		.232634	106459	VV	0.0000	
11	4.65		.251272	24593	PV	0.0000	
12	5.21		.271130	26393	PV	0.0000	
13	5.47		.188726	8978	VV	0.0000	
14	6.55		.372564	64511	PV	0.0000	
15	7.61		.535242	50025	VV	0.0000	
16	8.48		.473478	34308	PV	0.0000	
17	9.23		.478116	32911	VV	0.0000	
18	10.25		.476077	24520	PV	0.0000	
19	10.88		.526770	56603	VV	0.0000	
20	12.71		.658277	67431	PV	0.0000	
21	13.76		.676023	24848	VV	0.0000	
22	14.85		.766312	53515	VV	0.0000	
23	16.94		1.034979	42462	PV	0.0000	
24	19.34		1.341654	27839	VV	0.0000	
25	22.06		1.016847	31804	VV	0.0000	
26	23.18		1.098278	35152	VV	0.0000	
27	27.98	#27.80	1.361287	2978740	PB	0.0000	DBC

Total Area   :   9700568   Total PPB   :   0.000

Report Time	: 1056 19Nov1996	
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH	
Result File	: /DATA/LOOP/RESULT/D2A44I_007.RES	

IEA Pesticide Standard Report

Sample Name   : AR1221 L5   Inj 1057 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_008.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
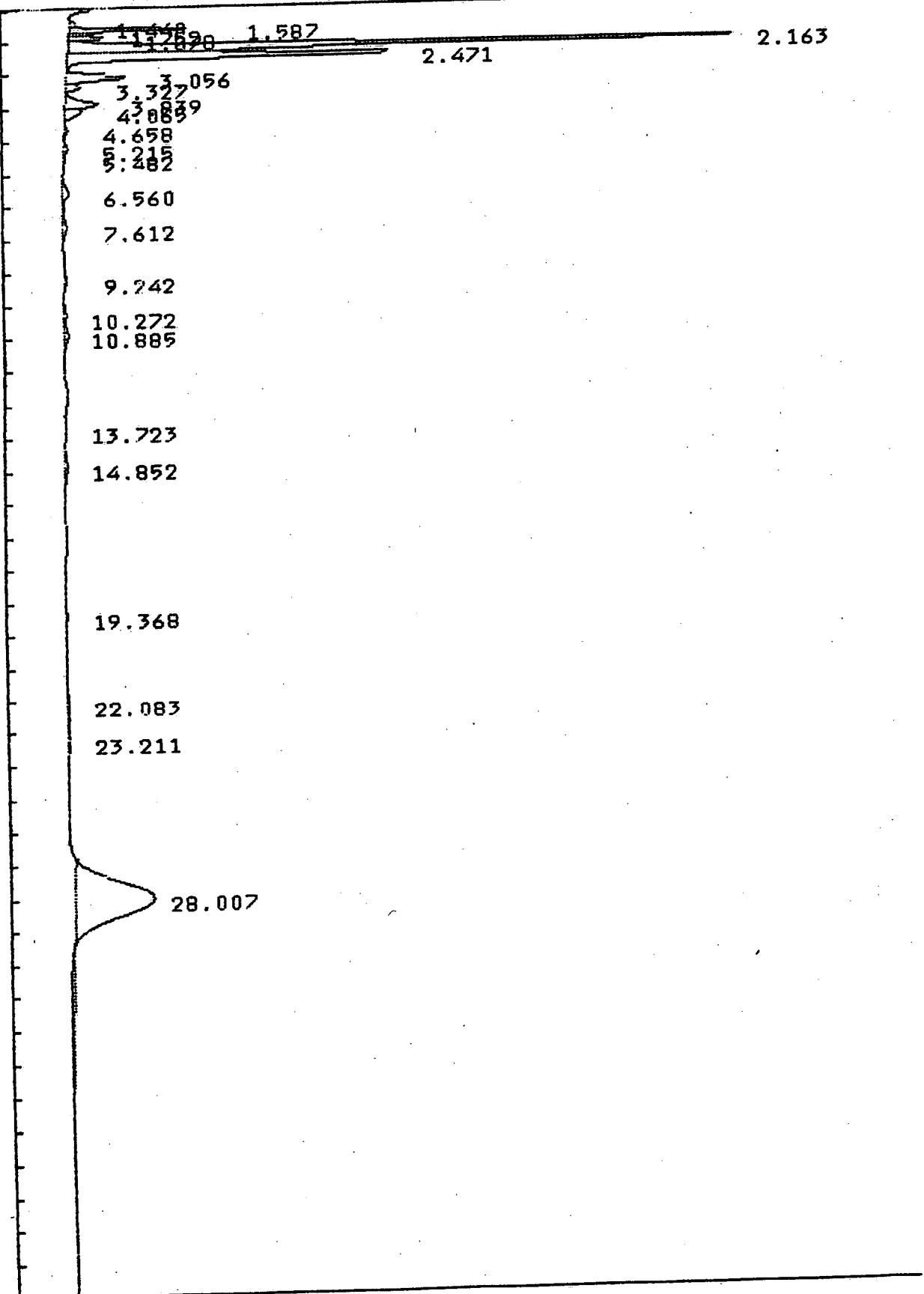
1.587

2.163

2.471

3.327 3.056

4.839
4.089
4.658
5.215
5.482

6.560

7.612

9.242

10.272
10.885

13.723

14.852

19.368

22.083

23.211

28.007

IEA Pesticide Standard Report

Report No : 23.00

Sample Name	: AR1221 L5
Result File	: /DATA/LOOP/RESULT/D2A44I_008.RES
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT
Instrument	: HP58902A
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 1057 19Nov1996
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample	: 1/ 8

Inj. Vol. : 5 ul

Bottle no. : 8

% Dil-Fact
  100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.090629	43584	BV	0.0000	
2	1.59		.092731	939960	VV	0.0000	
3	1.75		.094264	182957	VV	0.0000	
4	1.88		.104607	316313	VV	0.0000	
5	2.16	2.17	.147818	7897742	VV	0.0000	TCX
6	2.47		.154487	4036481	VV	0.0000	124
7	3.06		.179434	816130	PV	0.0000	1221
8	3.33		.152139	157035	VV	0.0000	124
9	3.84		.233787	572940	VV	0.0000	
10	4.06		.240206	310892	VV	0.0000	
11	4.66		.264702	60454	PV	0.0000	
12	5.22		.280204	80541	VV	0.0000	
13	5.48		.211001	30295	VV	0.0000	
14	6.56		.378574	175756	PV	0.0000	
15	7.61		.537627	142026	VV	0.0000	
16	9.24		.321633	32219	BV	0.0000	
17	10.27		.452755	68942	PV	0.0000	
18	10.89		.543072	159672	VV	0.0000	
19	13.72		.271014	11875	BV	0.0000	
20	14.85		.638527	103081	PV	0.0000	
21	19.37		.952495	25195	BV	0.0000	
22	22.08		.941562	71664	PV	0.0000	
23	23.21		1.010100	85420	VV	0.0000	
24	28.01	#27.80	1.101575	6359815	BV	0.0000	DBC

Total Area   :   22680992   Total PPB :   0.000

Report Time : 1139 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_008.RES

IEA Pesticide Standard Report

Sample Name	: AR1232 L1	Inj 1140 19Nov1996
Result File	: /DATA/LOOP/RESULT/D2A44I_009.RES	INSTRUMENT: HP58902A
Column Type	: 3.0% SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul

```
1.565
1.755
2.168
2.497
3.057
3.332
3.846
4.028
4.694
5.201
5.518

6.505
7.201

8.734
9.266

10.960

12.623

14.282

28.020
```

IEA Pesticide Standard Report

Report No : 24.00

Sample Name	:	AR1232 L1
Result File	:	/DATA/LOOP/RESULT/D2A44I_009.RES
Column Type	:	3.0%SP2100 100/120 SUPELCOPORT
Instrument	:	HP58902A
Calculation	:	ExternalSTD
Run Time	:	40.00 Mins. Injected on 1140 19Nov1996
Sequence File	:	/DATA/LOOP/SEQUENCE/S2A44I.SEQ
Sunseq/Sample	:	1/ 9 Bottle no. : 9

Inj. Vol. : 5 ul

% Dil-Fact
100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		.074629	50521	BV	0.0000	
2	1.58		.055352	3363	VV	0.0000	
3	1.76		.125723	203793	PV	0.0000	
4	2.17	2.17	.124888	237105	PV	0.0000	TCX
5	2.48		.145820	130255	VV	0.0000	
6	3.06		.163927	77414	PV	0.0000	1232
7	3.34		.152848	35784	VV	0.0000	1232
8	3.85		.214736	162155	VV	0.0000	1232
9	4.08		.260301	88682	VV	0.0000	
10	4.69		.373493	91119	VV	0.0000	
11	5.20		.279532	68233	VV	0.0000	
12	5.52		.289593	56515	VV	0.0000	
13	6.51		.392475	126719	PV	0.0000	
14	7.20		.422035	62748	VV	0.0000	
15	8.73		.585624	21843	PV	0.0000	
16	9.27		.502135	24676	VV	0.0000	
17	10.96		.506853	14174	PV	0.0000	
18	12.62		.658918	16735	BV	0.0000	
19	14.28		.841045	13786	VV	0.0000	
20	28.02	#27.80	1.287392	207810	BV	0.0000	DBC

Total Area   :   1693431   Total PPB   :   0.000

Report Time	:	1224 19Nov1996
Method	:	/DATA/LOOP/METHOD/HP58902A*.MTH
Result File	:	/DATA/LOOP/RESULT/D2A44I_009.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L2   Inj 1225 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_010.RES   INSTRUMENT: HP5890A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.567
1.751
2.165
2.474
3.054
3.337
3.844
4.701
5.192
5.514
6.498
7.194
8.554
9.263
10.955
12.620
14.209
17.111
28.025

IFA Pesticide Standard Report

Sample Name   : AR1232 L2   Report No : 25.01
Result File   : /DATA/LOOP/RESULT/D2A44I_010.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1225 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Sub-seq/Sample   : 1/ 10   Bottle no. : 10

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                     EndOffBaseline
                     NoReference
                     SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	22156	BV	0.0000	
2	1.58		0.000000	12831	PV	0.0000	TLX
3	1.75		0.000000	495555	VV	0.0000	
4	2.17		0.000000	563391	PV	0.0000	
5	2.47		0.000000	300250	VV	0.0000	
6	3.05		0.000000	193084	PV	0.0000	1232
7	3.34		0.000000	101600	VV	0.0000	1232
8	3.84		0.000000	404389	VV	0.0000	1232
9	4.07		0.000000	236676	VV	0.0000	
10	4.70		0.000000	202292	VV	0.0000	
11	5.20		0.000000	164555	VV	0.0000	
12	5.51		0.000000	138440	VV	0.0000	
13	6.50		0.000000	310253	PV	0.0000	
14	7.19		0.000000	161135	VV	0.0000	
15	8.55		0.000000	60471	PV	0.0000	
16	9.26		0.000000	55896	VV	0.0000	
17	10.95		0.000000	35489	PV	0.0000	
18	12.62		0.000000	30708	PV	0.0000	
19	14.21		0.000000	15430	VV	0.0000	
20	17.11		0.000000	10815	PV	0.0000	
21	28.03		0.000000	556502	FF	0.0000	DBL

Total Area   :   4071919   Total PPB :   0.000

Report Time   : 0935 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_010.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L3
Result File : /DATA/LOOP/RESULT/D2A44I_011.RES
Column Type : 3.0% SP2100 100/120 SUPELCOPORT

Inj 1308 19Nov1996
INSTRUMENT: HP58902A
Inj. Vol. : 5 ul

1.468
1.758
2.168
2.713
2.473
3.305
3.397
4.098
4.846
4.712
5.199
5.516
6.500
7.197
8.777
9.271
10.956
12.608
14.264
22.035
28.017

IFA Pesticide Standard Report

		Report No : 26.01

Sample Name : AR1232 L3
Result File : /DATA/LOOP/RESULT/D2A44I_011.RES
Column Type : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument : HP58902A
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 1308 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample : 1/ 11   Bottle no. : 11

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                EndOffBaseline
                NoReference
                SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	18576	BV	0.0000	
2	1.59		0.000000	52707	VV	0.0000	
3	1.76		0.000000	209146	VV	0.0000	
4	2.17		0.000000	1333896	PV	0.0000	TCX
5	2.48		0.000000	680770	VV	0.0000	
6	2.72		0.000000	13427	VV	0.0000	
7	3.06		0.000000	446465	PV	0.0000	1242
8	3.34		0.000000	248617	VV	0.0000	1232
9	3.85		0.000000	921742	VV	0.0000	1232
10	4.08		0.000000	561645	VV	0.0000	
11	4.71		0.000000	454203	VV	0.0000	
12	5.20		0.000000	392199	VV	0.0000	
13	5.52		0.000000	347030	VV	0.0000	
14	6.50		0.000000	736536	VV	0.0000	
15	7.20		0.000000	406968	VV	0.0000	
16	8.78		0.000000	100798	VV	0.0000	
17	9.27		0.000000	118449	VV	0.0000	
18	10.96		0.000000	80074	PV	0.0000	
19	12.61		0.000000	66544	PV	0.0000	
20	14.26		0.000000	20713	VB	0.0000	
21	22.04		0.000000	23497	BV	0.0000	
22	28.02		0.000000	1071476	FF	0.0000	DBC

Total Area   :   8305481   Total PPB   :   0.000

Report Time : 0937 21Nov1996
Method : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_011.RES

IEA Pesticide Standard Report

1.456

2.166

2.215

2.475

3.055

3.844

4.075

4.719

5.199

5.517

6.502

7.198

8.787

9.259

10.969

12.619

22.087

28.022
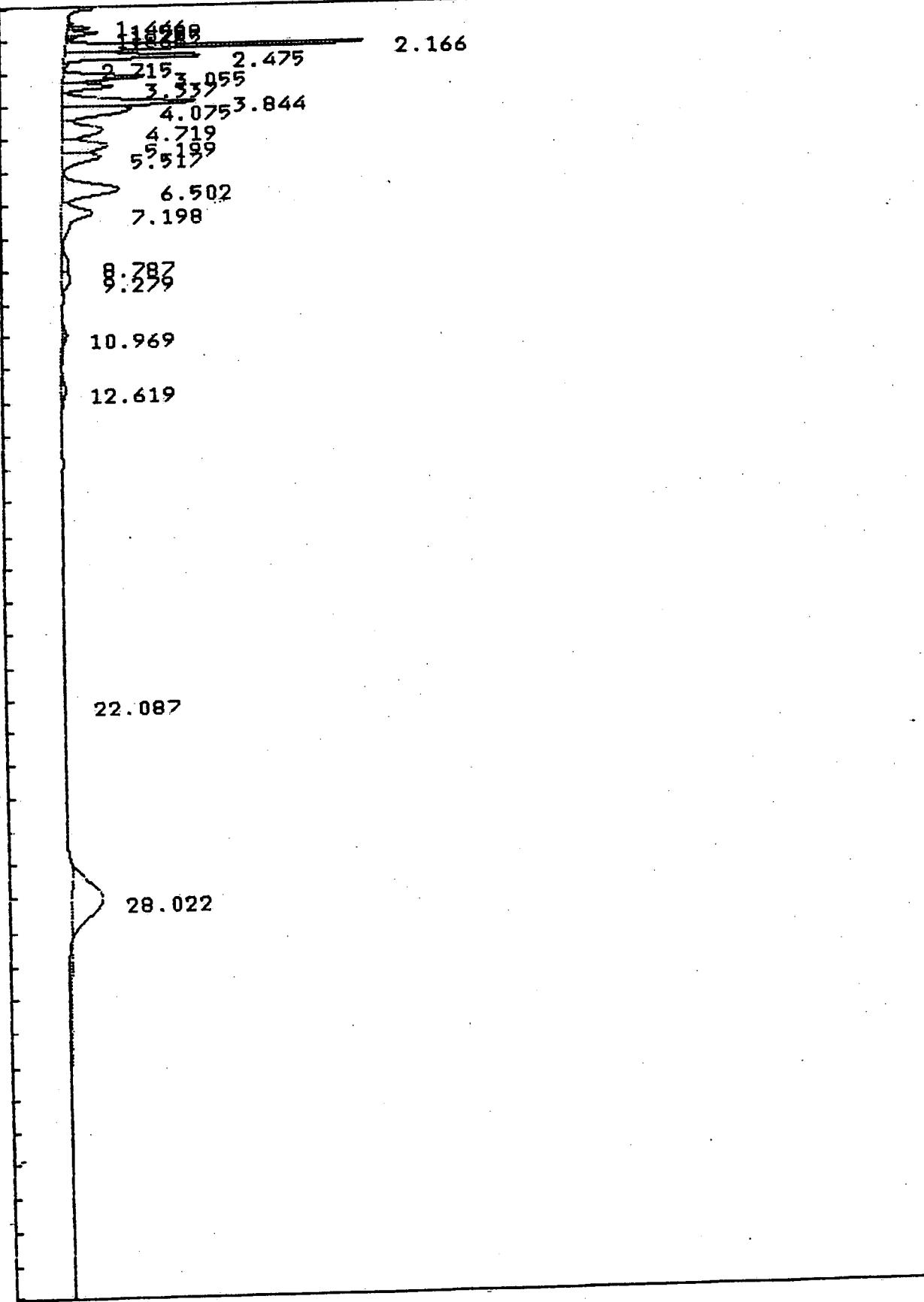
IFA Pesticide Standard Report

Sample Name	: AR1232 L4	Report No : 27.00
Result File	: /DATA/LOOP/RESULT/D2A44I_012.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 1350 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 12	Bottle no. : 12

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		.030107	9033	BV	0.0000	
2	1.59		.081710	151652	PV	0.0000	
3	1.75		.108126	245013	VV	0.0000	
4	1.87		.073743	65042	VV	0.0000	
5	2.17	2.17	.132120	3288123	VV	0.0000	TCX
6	2.47		.151571	1664031	VV	0.0000	
7	2.72		.110548	37428	VV	0.0000	*1232*
8	3.06		.173664	1092156	PV	0.0000	*1232*
9	3.34		.171909	631679	VV	0.0000	*1232*
10	3.84		.227903	2291772	VV	0.0000	
11	4.08		.279454	1414074	VV	0.0000	
12	4.72		.373639	1093926	VV	0.0000	
13	5.20		.286495	970076	VV	0.0000	
14	5.52		.310063	888931	VV	0.0000	
15	6.50		.422743	1810380	VV	0.0000	
16	7.20		.468679	1057313	VV	0.0000	
17	8.79		.534246	272602	VV	0.0000	
18	9.28		.466566	296911	VV	0.0000	
19	10.97		.543207	199978	PV	0.0000	
20	12.62		.562768	165422	PV	0.0000	
21	22.09		1.195517	47170	VV	0.0000	
22	28.02	#27.80	.905190	2006146	BV	0.0000	DBC

Total Area   :   19698864   Total PPB   :   0.000

Report Time   : 1431 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_012.RES

IEA Pesticide Standard Report

Sample Name : AR1232 L5   Inj 1433 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_013.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.368 591   2.170
1.881
2.477
2.718
3.339 3.057
4.078 3.847
4.724
5.202
5.520
6.505
7.202

8.805
9.284
9.810

14.885

17.149

22.078

28.037
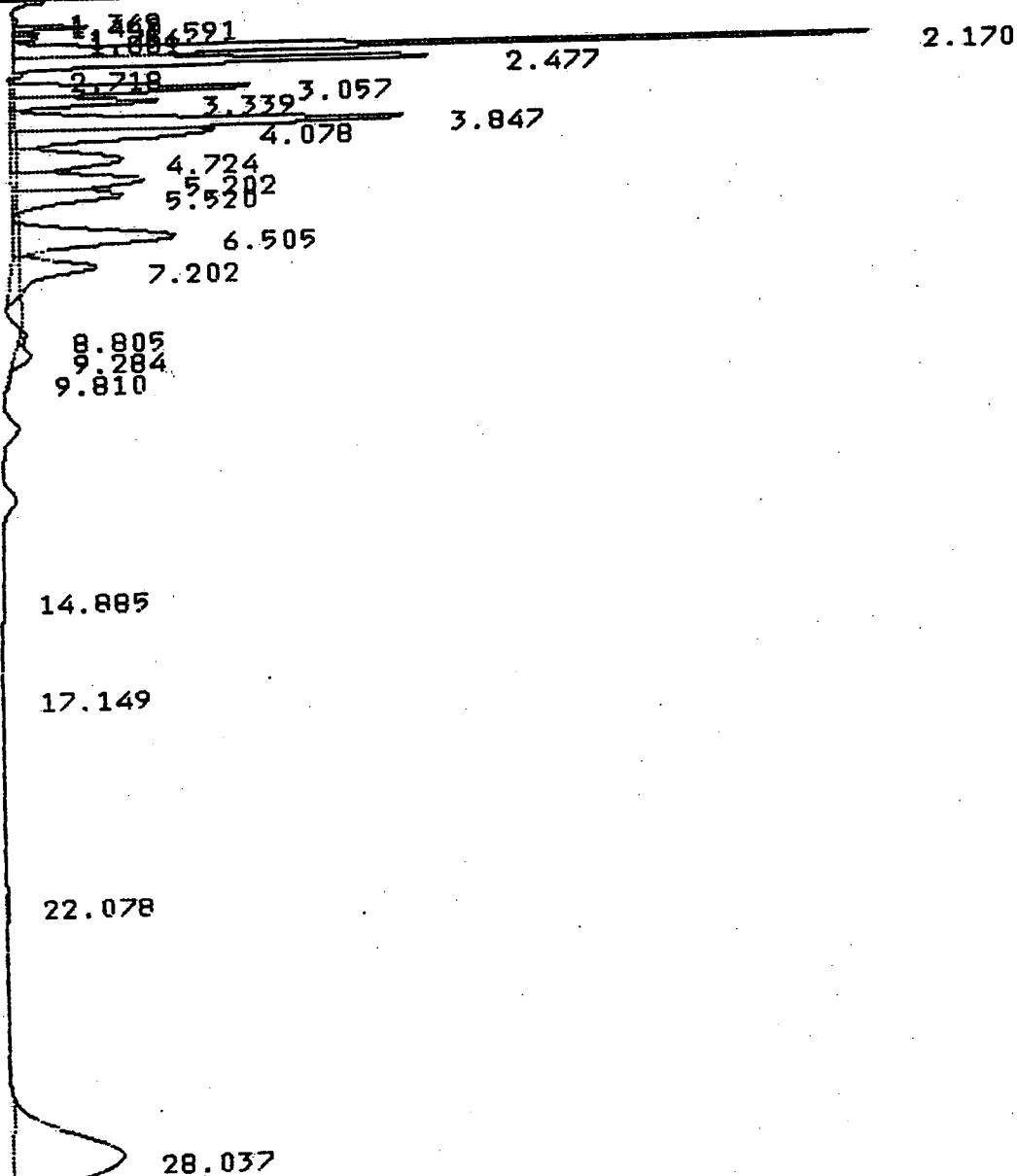
IFA Pesticide Standard Report

Sample Name   : AR1232 L5   Report No : 28.00
Result File   : /DATA/LOOP/RESULT/D2A44I_013.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1433 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   :   1/ 13   Bottle no. : 13

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.37		.016588	3792	BV	0.0000	
2	1.44		.072840	23246	VV	0.0000	
3	1.59		.087227	431558	PV	0.0000	
4	1.76		.094044	150675	VV	0.0000	
5	1.88		.092938	155833	VV	0.0000	
6	2.17	2.17	.143310	7607834	HS	0.0000	TCX
7	2.48		.056607	1445407	HS	0.0000	
8	2.72		.098320	37093	BT	0.0000	1232
9	3.06		.174360	2542370	PT	0.0000	1232
10	3.34		.172742	1509287	VT	0.0000	1232
11	3.85		.228372	5271533	VT	0.0000	
12	4.08		.281113	3287515	VT	0.0000	
13	4.72		.374533	2427666	VT	0.0000	
14	5.20		.285245	2170242	VT	0.0000	
15	5.52		.301119	1965064	VT	0.0000	
16	6.50		.418778	3939976	PT	0.0000	
17	7.20		.440449	2209216	VT	0.0000	
18	8.80		.304746	103142	BV	0.0000	
19	9.28		.362287	335535	VV	0.0000	
20	9.81		.178467	10404	PV	0.0000	
21	14.89		.312578	13803	BV	0.0000	
22	17.15		.204110	2723	BB	0.0000	
23	22.08		.381489	17394	BB	0.0000	
24	28.04	#27.80	1.273498	7937362	BV	0.0000	DBC

Total Area   :   43598672   Total PPB   :   0.000

Report Time   : 1514 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_013.RES

IEA Pesticide Standard Report

Sample Name : AR1242 L1   Inj 1515 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_014.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.447 752
2.165
2.430
3.050
3.550
4.085 0
4.708
5.208
5.525
6.504
7.203

8.679
9.270

10.969

12.635

14.229

28.050

IFA Pesticide Standard Report

Sample Name   : AR1242 L1   Report No : 29.01
Result File   : /DATA/LOOP/RESULT/D2A44I_014.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1515 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   : 1/ 14   Bottle no. : 14

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   NoReference
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	32928	BV	0.0000	
2	1.75		0.000000	384137	PV	0.0000	TPX
3	2.16		0.000000	223008	VV	0.0000	
4	2.47		0.000000	90368	VV	0.0000	
5	2.72		0.000000	2750	VV	0.0000	
6	3.05		0.000000	121123	PV	0.0000	1242
7	3.34		0.000000	75680	VV	0.0000	
8	3.85		0.000000	260720	FF	0.0000	1242
9	4.08		0.000000	120803	FF	0.0000	1242
10	4.71		0.000000	82325	FF	0.0000	
11	5.21		0.000000	70701	FF	0.0000	
12	5.52		0.000000	71465	FF	0.0000	
13	6.50		0.000000	243156	VV	0.0000	
14	7.20		0.000000	124179	VV	0.0000	
15	8.68		0.000000	43148	PV	0.0000	
16	9.27		0.000000	41564	VV	0.0000	
17	10.97		0.000000	27698	PV	0.0000	
18	12.64		0.000000	25327	PV	0.0000	
19	14.23		0.000000	14088	PV	0.0000	
20	28.05		0.000000	265200	FF	0.0000	DBC

Total Area   :   2320369   Total PPB   :   0.000

Report Time   : 0943 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_014.RES

IEA Pesticide Standard Report

Sample Name : AR1242 L2   Inj 1559 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_015.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.468
1.672
1.2 181
2.748
2.780
3.069
3.393
3.867
4.108
4.792
4.925
5.542

6.517

7.217

8.810
9.298

10.982

12.643

17.187

28.083

JFA Pesticide Standard Report

Sample Name	: AR1242 L2	Report No : 30.01	
Result File	: /DATA/LOOP/RESULT/D2A44I_015.RES		
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul	
Instrument	: HP58902A		
Calculation	: ExternalSTD		
Run Time	: 40.00 Mins. Injected on 1559 19Nov1996		
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ		
Subseq/Sample	: 1/ 15	Bottle no. : 15	

% Dil-Fact
   100.00

Run Status   : RunStatusOK
               EndOffBaseline
               NoReference
               SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.47		0.000000	50046	BV	0.0000	
2	1.77		0.000000	300764	PV	0.0000	
3	2.18		0.000000	510708	VV	0.0000	TCX
4	2.49		0.000000	197727	VV	0.0000	
5	2.73		0.000000	9678	VV	0.0000	1242
6	3.07		0.000000	280996	PV	0.0000	1242
7	3.35		0.000000	186127	VV	0.0000	
8	3.87		0.000000	622475	FF	0.0000	1242
9	4.10		0.000000	321127	FF	0.0000	
10	4.79		0.000000	197013	FF	0.0000	
11	5.23		0.000000	138936	FF	0.0000	
12	5.54		0.000000	176756	FF	0.0000	
13	6.52		0.000000	587110	VV	0.0000	
14	7.22		0.000000	317944	VV	0.0000	
15	8.81		0.000000	81715	VV	0.0000	
16	9.30		0.000000	93565	VV	0.0000	
17	10.98		0.000000	70707	PV	0.0000	
18	12.64		0.000000	56326	PV	0.0000	
19	17.19		0.000000	8984	BB	0.0000	
20	28.08		0.000000	554364	FF	0.0000	DBC

Total Area   :   4763071   Total PPB   :   0.000

Report Time   : 0948 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_015.RES

IEA Pesticide Standard Report

1.476
1.579
2.186
2.497
2.763
3.077
3.381
4.101
868
4.101
4.753
5.227
5.543
6.528
7.226
8.822
9.306
10.995
12.652
14.292
17.148
22.144
28.093

IFA Pesticide Standard Report

Sample Name   : AR1242 L3   Report No : 31.00
Result File   : /DATA/LOOP/RESULT/D2A44I_016.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1642 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample :   1/ 16   Bottle no. : 16

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.48		.088585	49332	BV	0.0000	
2	1.78		.122397	349835	PV	0.0000	
3	2.19	2.17	.122928	1240245	VV	0.0000	TCX
4	2.50		.149350	473518	VV	0.0000	
5	2.74		.120261	29460	VV	0.0000	
6	3.08		.170164	663529	PV	0.0000	
7	3.36		.173400	458749	VV	0.0000	
8	3.87		.228043	1620321	VV	0.0000	
9	4.10		.282778	1008402	VV	0.0000	
10	4.75		.380567	831882	VV	0.0000	
11	5.23		.286566	702814	VV	0.0000	
12	5.54		.311938	664518	VV	0.0000	
13	6.53		.429851	1382522	VV	0.0000	
14	7.23		.484867	817682	VV	0.0000	
15	8.82		.527635	220807	VV	0.0000	
16	9.31		.469497	232517	VV	0.0000	
17	11.00		.545959	168646	PV	0.0000	
18	12.65		.563029	134911	PV	0.0000	
19	14.29		.751484	347093	VV	0.0000	
20	17.15		.813349	12874	PB	0.0000	
21	22.14		2.435562	34960	VV	0.0000	
22	28.09	#27.80	1.389563	1425127	PV	0.0000	DBC

Total Area   :   12869750   Total PPB   :   0.000

Report Time   : 1723 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_016.RES

IEA Pesticide Standard Report

Sample Name   : AR1242 L4   Inj 1724 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_017.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
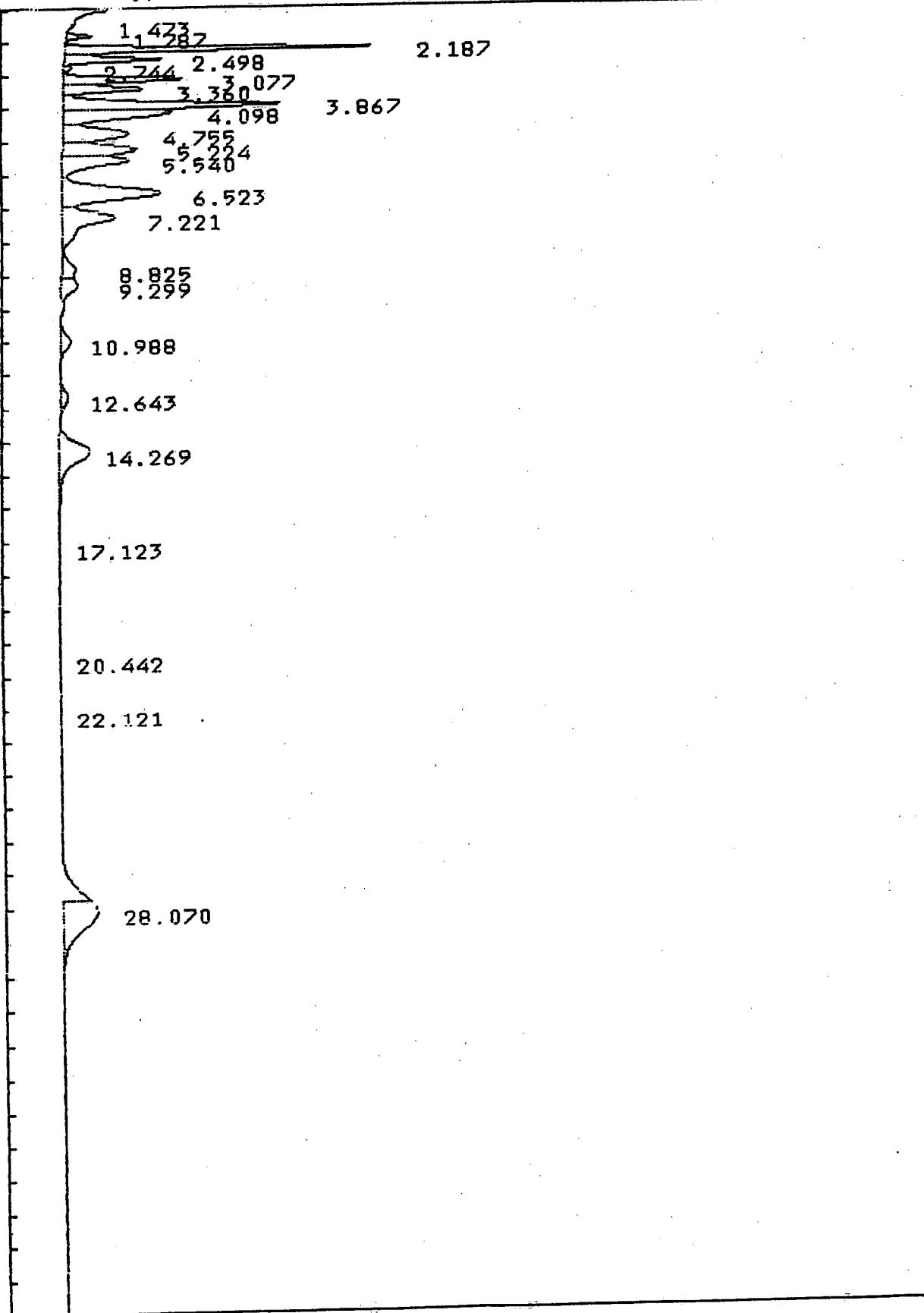
1.423
1.287
2.187
2.744   2.498
3.077
3.360
3.867
4.098
4.755
5.224
5.540
6.523
7.221
8.825
9.299
10.988
12.643
14.269
17.123
20.442
22.121
28.070

IEA Pesticide Standard Report

Sample Name   : AR1242 L4
Result File   : /DATA/LOOP/RESULT/D2A44I_017.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   :   40.00 Mins.   Injected on 1724 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   :   1/ 17   Bottle.no.   : 17

Report No : 32.00

Inj. Vol. : 5 ul

% Dil-Fact
   100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.47		.075125	19407	VV	0.0000	
2	1.79		.120957	233761	PV	0.0000	
3	2.19	2.17	.126648	2969197	PV	0.0000	TCX
4	2.50		.150476	1094869	VV	0.0000	
5	2.74		.120810	72470	VV	0.0000	
6	3.08		.171702	1515317	PV	0.0000	
7	3.36		.175040	1067624	VV	0.0000	
8	3.87		.228884	3638922	VV	0.0000	
9	4.10		.284051	2289762	VV	0.0000	
10	4.76		.378962	1816450	VV	0.0000	
11	5.22		.286744	1575679	VV	0.0000	
12	5.54		.313664	1525723	VV	0.0000	
13	6.52		.434555	3097216	VV	0.0000	
14	7.72		.488538	1902524	VV	0.0000	
15	8.82		.516912	512172	VV	0.0000	
16	9.30		.470534	545424	VV	0.0000	
17	10.99		.546317	394062	PV	0.0000	
18	12.64		.558635	317410	PV	0.0000	
19	14.27		.739381	1590022	PV	0.0000	
20	17.12		.579635	13161	PB	0.0000	
21	20.44		.978701	13585	BV	0.0000	
22	22.12		1.191793	52380	VV	0.0000	
23	28.07	#27.80	.946494	2314306	BV	0.0000	DBC

Total Area   :   28571448   Total PPB   :   0.000

Report Time   : 1806 19Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_017.RES

IEA Pesticide Standard Report

.775
1.792   2.200
2.508
2.758   3.367 3.083
4.108   3.875
4.767
5.233
5.550
6.533
7.233
8.805
9.303
9.837
10.993
12.649
14.906
17.191
20.430
22.116
25.492
28.064
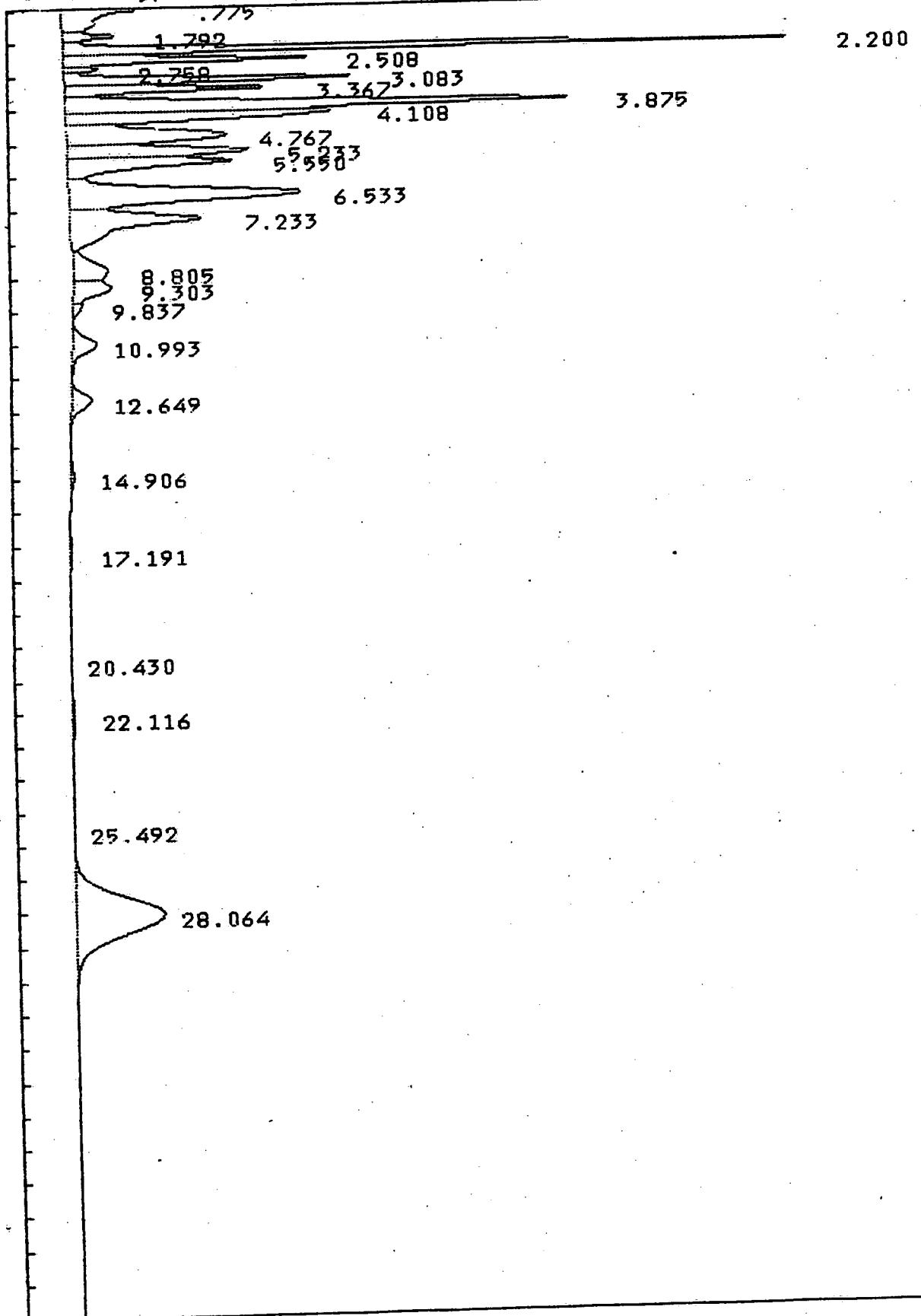
IEA Pesticide Standard Report

Sample Name   : AR1242 L5   Report No : 33.01
Result File   : /DATA/LOOP/RESULT/D2A44I_018.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1807 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   : 1/ 18   Bottle no.   : 18

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	.68		0.000000	6579704	FF	0.0000	
2	.77		0.000000	4911007	FF	0.0000	
3	1.79		0.000000	756294	FF	0.0000	
4	2.20		0.000000	7454337	FF	0.0000	
5	2.51		0.000000	2935196	FF	0.0000	
6	2.76		0.000000	316396	FF	0.0000	
7	3.08		0.000000	3846885	FF	0.0000	
8	3.37		0.000000	2841695	FF	0.0000	
9	3.88		0.000000	9117680	FF	0.0000	
10	4.11		0.000000	5067019	FF	0.0000	
11	4.77		0.000000	4791179	FF	0.0000	
12	5.23		0.000000	3717813	FF	0.0000	
13	5.55		0.000000	4117175	FF	0.0000	
14	6.53		0.000000	7494828	FF	0.0000	
15	7.23		0.000000	4920171	FF	0.0000	
16	8.81		0.000000	1434890	VV	0.0000	
17	9.30		0.000000	1305613	VV	0.0000	
18	9.84		0.000000	203842	VV	0.0000	
19	10.99		0.000000	980986	VV	0.0000	
20	12.65		0.000000	818448	PV	0.0000	
21	14.91		0.000000	178238	VV	0.0000	
22	17.19		0.000000	57197	PV	0.0000	
23	20.43		0.000000	34595	VV	0.0000	
24	22.12		0.000000	164529	VV	0.0000	
25	25.49	#26.00	0.000000	26183	PV	0.0000	DBC
26	28.06		0.000000	8679088	VV	0.0000	

Total Area   :   82751008   Total PPB   :   0.000

Report Time   : 1010 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_018.RES

IEA Pesticide Standard Report

Sample Name : AR1248 L1   Inj 1850 19Nov1996
Re~ult File : /DATA/LOOP/RESULT/D2A44I_019.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.475
1.777
2.194
2.489
3.068
3.355
3.875
4.100
4.725
5.217
5.550

6.533
7.233

8.508
9.294

10.991

12.638

14.306
14.874

28.059

IEA Pesticide Standard Report

Sample Name : AR1248 L1   Report No : 34.01
Result File : /DATA/LOOP/RESULT/D2A44I_019.RES
Column Type : 3.0%SP2100 100/120 SUPELCOPORT Inj. Vol. : 5 ul
Instrument : HP58902A
Calculation : ExternalSTD
Run Time   : 40.00 Mins. Injected on 1850 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample : 1/ 19   Bottle no. : 19

% Dil-Fact
 100.00

Run Status : RunStatusOK
      EndOffBaseline
      NoReference
      SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.48		0.000000	39239	BV	0.0000	TCX
2	1.78		0.000000	604626	PV	0.0000	
3	2.18		0.000000	224037	VV	0.0000	
4	2.49		0.000000	13625	VV	0.0000	
5	3.07		0.000000	63182	PV	0.0000	
6	3.36		0.000000	35025	VV	0.0000	
7	3.88		0.000000	191746	FF	0.0000	
8	4.10		0.000000	90732	FF	0.0000	
9	4.73		0.000000	239794	FF	0.0000	
10	5.22		0.000000	179495	FF	0.0000	
11	5.55		0.000000	185157	FF	0.0000	1248
12	6.53		0.000000	410739	FF	0.0000	1248
13	7.23		0.000000	179404	FF	0.0000	1248
14	8.51		0.000000	510895	VV	0.0000	
15	9.29		0.000000	128470	VV	0.0000	
16	10.99		0.000000	93073	PV	0.0000	
17	12.64		0.000000	72796	PV	0.0000	
18	14.31		0.000000	12729	VV	0.0000	
19	14.87		0.000000	19039	VV	0.0000	
20	28.06		0.000000	86517	BV	0.0000	DBL

Total Area : 3380323 Total PPB : 0.000

Report Time : 1028 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_019.RES

IEA Pesticide Standard Report

Sample Name : AR1248 L2   Inj 1932 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_020.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.423
1.775
1.6
2.481 184
2.761
3.089
3.960
3.863
4.185
4.717
5.204
5.541

6.527
7.232

8.812
9.303

10.992

12.652

14.895

17.177
18.084

28.100

IEA Pesticide Standard Report

Sample Name   : AR1248 L2
Result File   : /DATA/LOOP/RESULT/D2A44I_020.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1932 19Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   :   1/ 20

Report No : 35.01

Inj. Vol. : 5 ul

Bottle no. : 20

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   NoReference
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.47		0.000000	76194	BV	0.0000	
2	1.78		0.000000	281513	PV	0.0000	
3	2.18		0.000000	489596	PV	0.0000	TCX
4	2.49		0.000000	22354	VV	0.0000	
5	2.75		0.000000	2074	PV	0.0000	
6	3.07		0.000000	127280	PV	0.0000	
7	3.36		0.000000	75291	VV	0.0000	
8	3.86		0.000000	422110	VV	0.0000	
9	4.10		0.000000	255603	VV	0.0000	
10	4.72		0.000000	598177	VV	0.0000	
11	5.20		0.000000	428306	VV	0.0000	1248
12	5.54		0.000000	448711	VV	0.0000	1248
13	6.53		0.000000	1059553	VV	0.0000	1248
14	7.23		0.000000	699316	VV	0.0000	
15	8.81		0.000000	288329	VV	0.0000	
16	9.30		0.000000	281228	VV	0.0000	
17	10.99		0.000000	230654	VV	0.0000	
18	12.65		0.000000	185910	VV	0.0000	
19	14.89		0.000000	56083	VV	0.0000	
20	17.18		0.000000	20766	PV	0.0000	
21	18.08		0.000000	15408	VV	0.0000	
22	28.10		0.000000	421846	FF	0.0000	DBC

Total Area   :   6486303   Total PPB   :   0.000

Report Time   : 1035 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_020.RES

IEA Pesticide Standard Report

Sample Name : AR1248 L3   Inj 2017 19Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_021.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
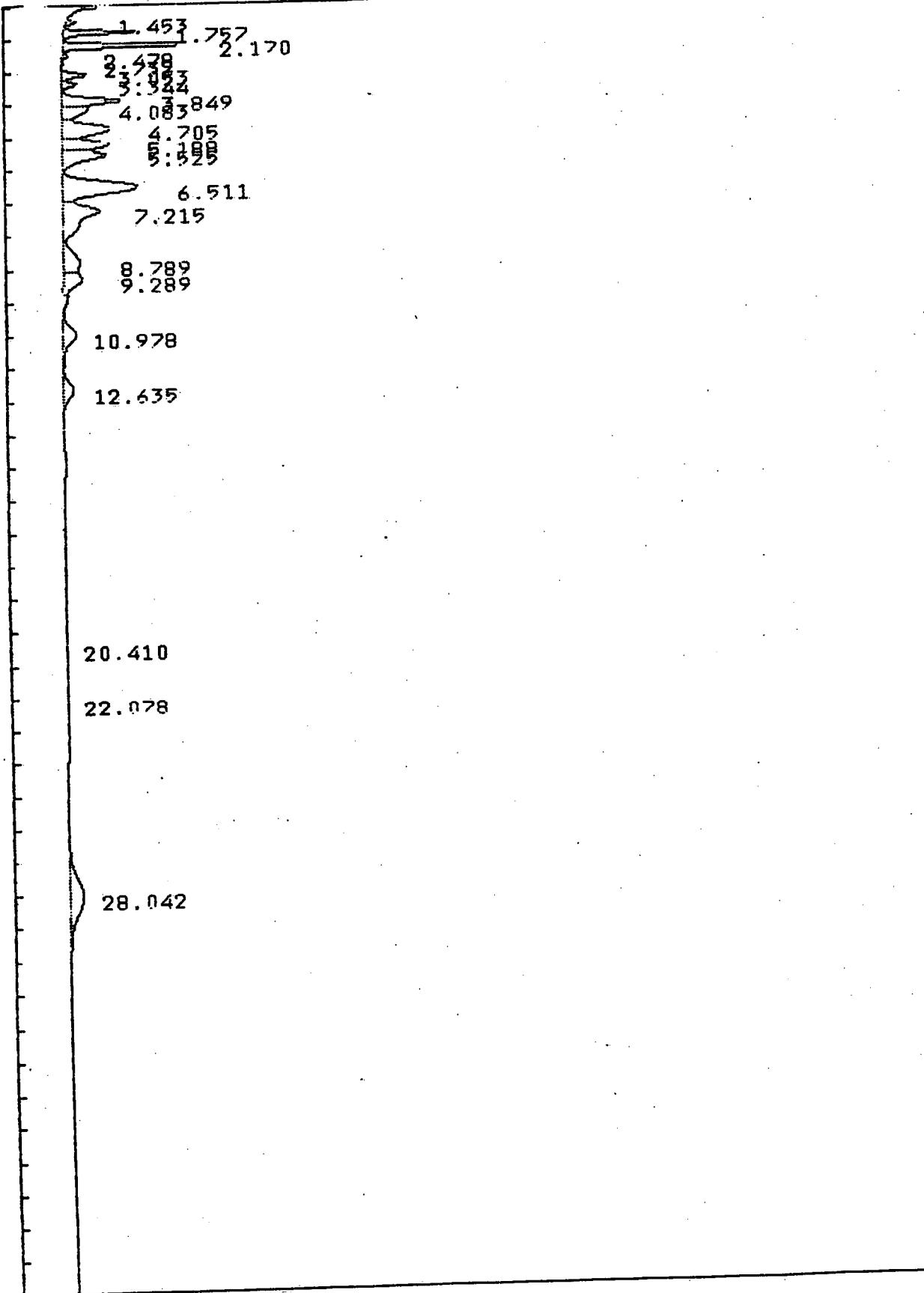
1.453 1.757
2.170
2.430
3.063
3.344
4.083 849
4.705
5.188
5.525
6.511
7.215
8.789
9.289
10.978
12.635
20.410
22.078
28.042

IEA Pesticide Standard Report

Sample Name	: AR1248 L3			Report No : 36.01	
Result File	: /DATA/LOOP/RESULT/D2A44I_021.RES				
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT			Inj. Vol. : 5 ul	
Instrument	: HP58902A				
Calculation	: ExternalSTD				
Run Time	: 40.00 Mins. Injected on 2017 19Nov1996				
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ				
Subseq/Sample	: 1/ 21			Bottle no. : 21	

% Dil-Fact
100.00

Run Status : RunStatusOK
NoReference
SpecialInteg

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	67301	BV	0.0000	
2	1.76		0.000000	674555	PV	0.0000	
3	2.17		0.000000	1183035	VV	0.0000	TCX
4	2.48		0.000000	53307	VV	0.0000	
5	2.73		0.000000	6087	VV	0.0000	
6	3.05		0.000000	303684	PV	0.0000	
7	3.34		0.000000	183725	VV	0.0000	
8	3.85		0.000000	971344	VV	0.0000	
9	4.08		0.000000	597058	VV	0.0000	
10	4.71		0.000000	1347985	VV	0.0000	1248
11	5.19		0.000000	991961	VV	0.0000	1248
12	5.52		0.000000	1061928	VV	0.0000	1248
13	6.51		0.000000	2438642	VV	0.0000	
14	7.71		0.000000	1668748	VV	0.0000	
15	8.79		0.000000	736445	VV	0.0000	
16	9.99		0.000000	671966	VV	0.0000	
17	10.98		0.000000	548463	VV	0.0000	
18	12.43		0.000000	424775	VV	0.0000	
19	20.41		0.000000	13901	BV	0.0000	
20	22.08		0.000000	7782	PV	0.0000	
21	28.04		0.000000	1278342	FF	0.0000	DBC

Total Area : 15231040   Total PPB : 0.000

Report Time : 1040 21Nov1996
Method : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_021.RES

IEA Pesticide Standard Report

Sample Name   : AR1248 L4   Inj 2100 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_022.RES   INSTRUMENT: HP5890?A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
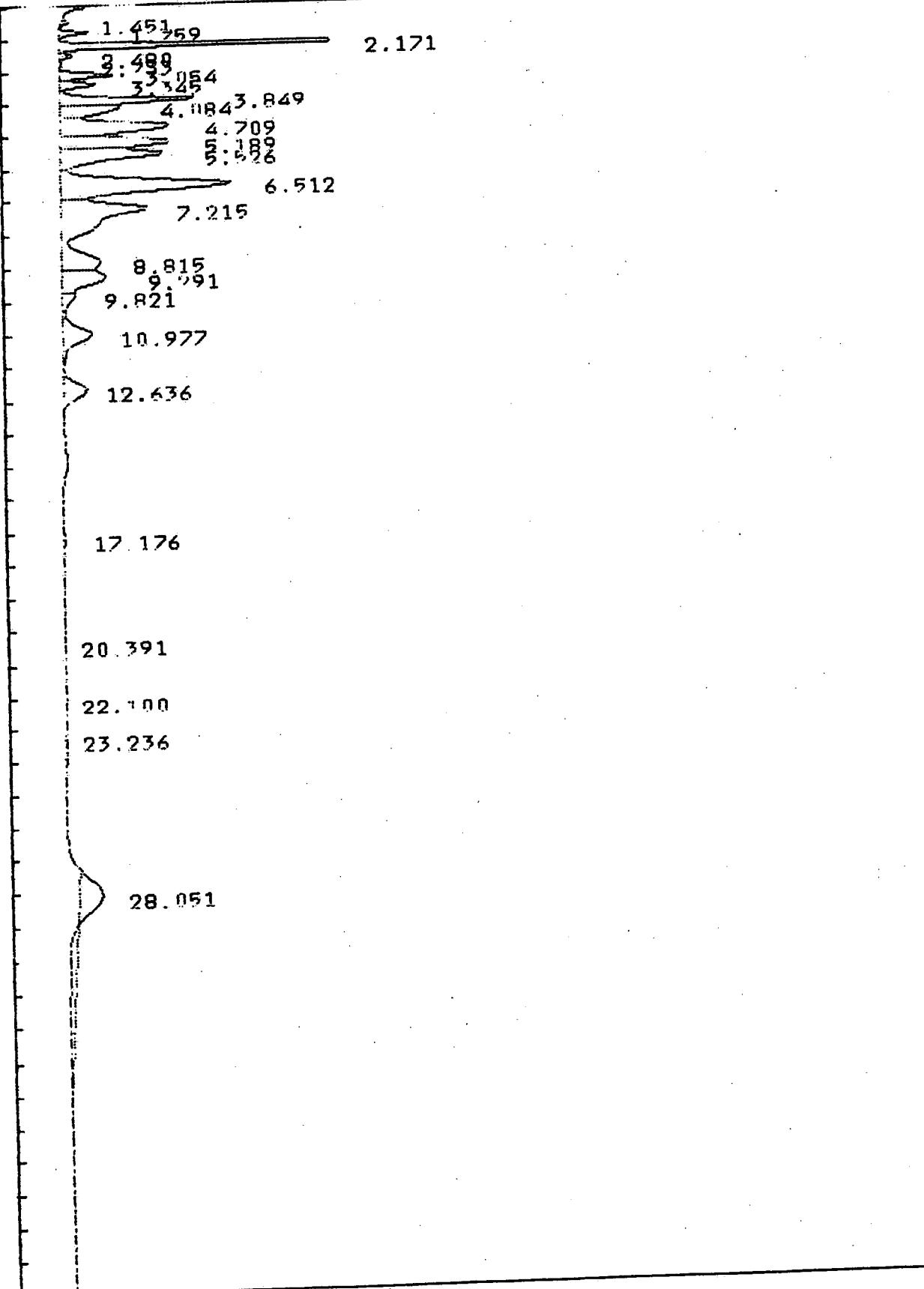
IFA Pesticide Standard Report

Sample Name	: AR1248 L4	Report No	: 37 00
Result File	: /DATA/LOOP/RESULT/D2A44I_022.RES		
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol.	: 5 ul
Instrument	: HP58902A		
Calculation	: ExternalSTD		
Run Time	: 40.02 Mins. Injected on 2100 19Nov1996		
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ		
Subseq/Sample	: 1/ 22	Bottle no.	: 22

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		.092873	41940	BV	0.0000	
2	1.76		.124943	274958	PV	0.0000	
3	2.17	2.17	.116994	2773063	PV	0.0000	TCX
4	2.48		.137598	139331	VV	0.0000	
5	2.73		.122467	21886	VV	0.0000	
6	3.05		.165209	720910	PV	0.0000	
7	3.34		.170272	465730	VV	0.0000	
8	3.85		.218059	2253348	VV	0.0000	
9	4.08		.306514	1418968	VV	0.0000	
10	4.71		.379288	3055758	VV	0.0000	
11	5.19		.279760	2288157	VV	0.0000	1248
12	5.53		.327241	2530057	VV	0.0000	1248
13	6.51		.442126	5560595	VV	0.0000	1248
14	7.23		.612548	3971529	VV	0.0000	1248
15	8.82		.552333	1617494	VV	0.0000	
16	9.24		.487100	1610226	VV	0.0000	
17	9.82		.362245	339671	VV	0.0000	
18	10.98		.625078	1374679	VV	0.0000	
19	12.64		.588297	1038290	VV	0.0000	
20	17.18		.860759	97569	PV	0.0000	
21	20.39		.590470	12247	BV	0.0000	
22	22.30		.790038	19725	PV	0.0000	
23	23.24		1.038593	43059	VV	0.0000	
24	28.05	#27.80	.154358	269248	BV	0.0000	DBC

Total Area   :   31938444   Total PPB   :   0.000

Report Time	: 2141 19Nov1996	
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH	
Result File	: /DATA/LOOP/RESULT/D2A44I_022.RES	

IEA Pesticide Standard Report

Sample Name   : AR1248 L5   Inj 2142 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_023.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

.208
1.458
1.967   2.183
2.358 2.692
3.058
3.350
3.858
4.092
4.717
5.192
5.533
6.517
7.217
8.817
9.292
10.975
12.633
14.895
17.178
22.172
23.241
28.050
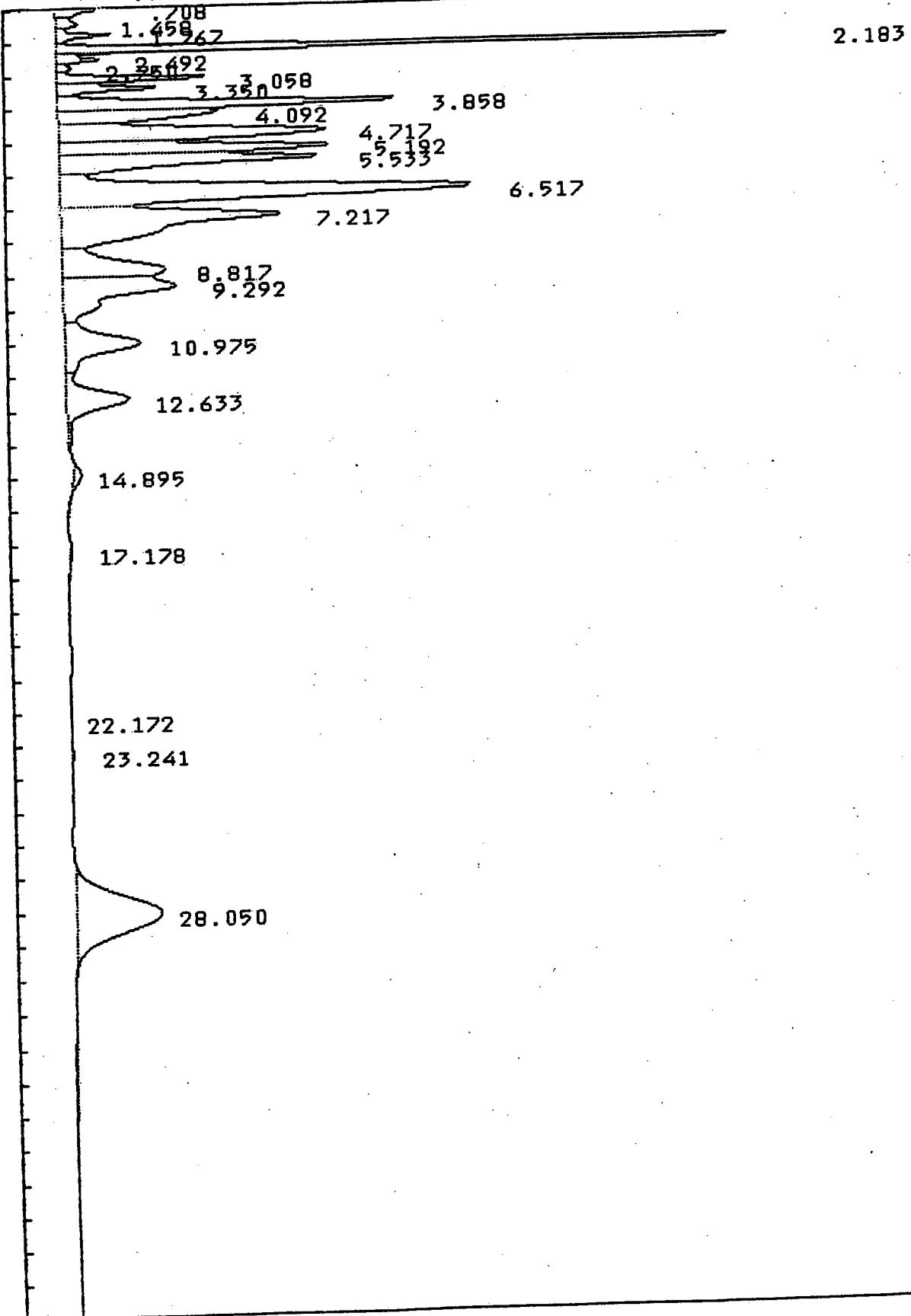
IEA Pesticide Standard Report

Sample Name   : AR1248 L5   Report No : 38.01
Result File   : /DATA/LOOP/RESULT/D2A44I_023.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 2142 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample :   1/ 23   Bottle no. : 23

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                NoReference
                SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	.71		0.000000	10522130	FF	0.0000	
2	1.46		0.000000	414543	FF	0.0000	
3	1.77		0.000000	681386	FF	0.0000	
4	2.18		0.000000	6867510	FF	0.0000	TYC
5	2.49		0.000000	594806	FF	0.0000	
6	2.75		0.000000	234044	FF	0.0000	
7	3.06		0.000000	1924227	FF	0.0000	
8	3.35		0.000000	1460638	FF	0.0000	
9	3.86		0.000000	5548959	FF	0.0000	
10	4.09		0.000000	3750347	FF	0.0000	
11	4.72		0.000000	6991320	FF	0.0000	
12	5.19		0.000000	6012044	FF	0.0000	1248
13	5.53		0.000000	6367960	FF	0.0000	1248
14	6.52		0.000000	13731624	FF	0.0000	1248
15	7.22		0.000000	9876792	FF	0.0000	
16	8.82		0.000000	4227302	FF	0.0000	
17	9.29		0.000000	5258785	FF	0.0000	
18	10.98		0.000000	3696695	FF	0.0000	
19	12.63		0.000000	3229511	FF	0.0000	
20	14.89		0.000000	230380	BV	0.0000	
21	17.18		0.000000	28230	BV	0.0000	
22	22.17		0.000000	10640	BV	0.0000	
23	23.24		0.000000	64887	VV	0.0000	
24	28.05		0.000000	7892022	BV	0.0000	DBC

Total Area   :   99616768   Total PPB   :   0.000

Report Time   : 1105 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_023.RES

IEA Pesticide Standard Report

Sample Name   : AR1254 L1   Inj 2225 19Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_024.RES   INSTRUMENT: HP5891I2A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

IEA Pesticide Standard Report

Sample Name   : AR1254 L1   Report No : 39.01
Result File   : /DATA/LOOP/RESULT/D2A44I_024.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 2225 19Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample : 1/ 24   Bottle no. : 24

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                EndOffBaseline
                NoReference
                SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	46948	BV	0.0000	
2	1.76		0.000000	442151	PV	0.0000	
3	2.17		0.000000	217722	PV	0.0000	TCX
4	3.05		0.000000	5205	PV	0.0000	
5	3.35		0.000000	2433	PV	0.0000	
6	3.61		0.000000	3667	VV	0.0000	
7	3.85		0.000000	17031	VV	0.0000	
8	4.11		0.000000	9880	VV	0.0000	
9	4.65		0.000000	139698	VV	0.0000	
10	5.17		0.000000	71405	VV	0.0000	
11	5.53		0.000000	43826	VV	0.0000	
12	6.57		0.000000	323736	PV	0.0000	
13	7.64		0.000000	386536	VV	0.0000	
14	8.76		0.000000	276023	VV	0.0000	
15	9.31		0.000000	364160	VV	0.0000	
16	10.97		0.000000	423072	VV	0.0000	1254
17	12.69		0.000000	359937	VV	0.0000	1254
18	13.80		0.000000	43046	VV	0.0000	1254
19	14.90		0.000000	367261	VV	0.0000	
20	17.21		0.000000	100470	VV	0.0000	
21	28.08		0.000000	297274	FF	0.0000	DBV

Total Area   :   3941482   Total PPB   :   0.000

Report Time   : 1111 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_024.RES

IEA Pesticide Standard Report

```
1.446 752
   1:952 2.164
2.461
1.043
(overlapping)
1.100
4.640
5.162
5.517

6.567

7.630

8.783
9.301

10.957

12.686

13.764

14.890


17.193




28.042
```

IEA Pesticide Standard Report

Sample Name	: AR1254 L2	Report No : 40.01
Result File	: /DATA/LOOP/RESULT/D2A44I_025.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 2307 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 25	Bottle no. : 25

% Dil-Fact
    100.00

Run Status   : RunStatusOK
              NoReference
              SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	32586	BV	0.0000	
2	1.75		0.000000	259441	PV	0.0000	TCX
3	2.16		0.000000	493383	PV	0.0000	
4	2.46		0.000000	11391	VV	0.0000	
5	3.04		0.000000	3760	VV	0.0000	
6	3.34		0.000000	1240	PV	0.0000	
7	3.60		0.000000	4651	VV	0.0000	
8	3.84		0.000000	11488	VV	0.0000	
9	4.10		0.000000	6817	VV	0.0000	
10	4.64		0.000000	263161	VV	0.0000	
11	5.16		0.000000	128123	VV	0.0000	
12	5.52		0.000000	60348	VV	0.0000	
13	6.57		0.000000	632575	VV	0.0000	
14	7.63		0.000000	835842	VV	0.0000	
15	8.78		0.000000	539756	VV	0.0000	
16	9.30		0.000000	820165	VV	0.0000	
17	10.96		0.000000	1003646	VV	0.0000	1254
18	12.69		0.000000	833648	VV	0.0000	1254
19	13.76		0.000000	117001	VV	0.0000	1254
20	14.89		0.000000	875226	VV	0.0000	
21	17.19		0.000000	226761	VV	0.0000	
22	28.04		0.000000	671810	FF	0.0000	DBC

Total Area   :   7832819   Total PPB   :   0.000

Report Time   : 1118 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_025.RES

IEA Pesticide Standard Report

1.450 .756
2.167
2.467
.058
.9.50
.8.9.2
4.079
4.640
5.519 5.162
6.565
7.629
8.780
9.297
10.953
12.678
13.751
14.884
17.185
28.017
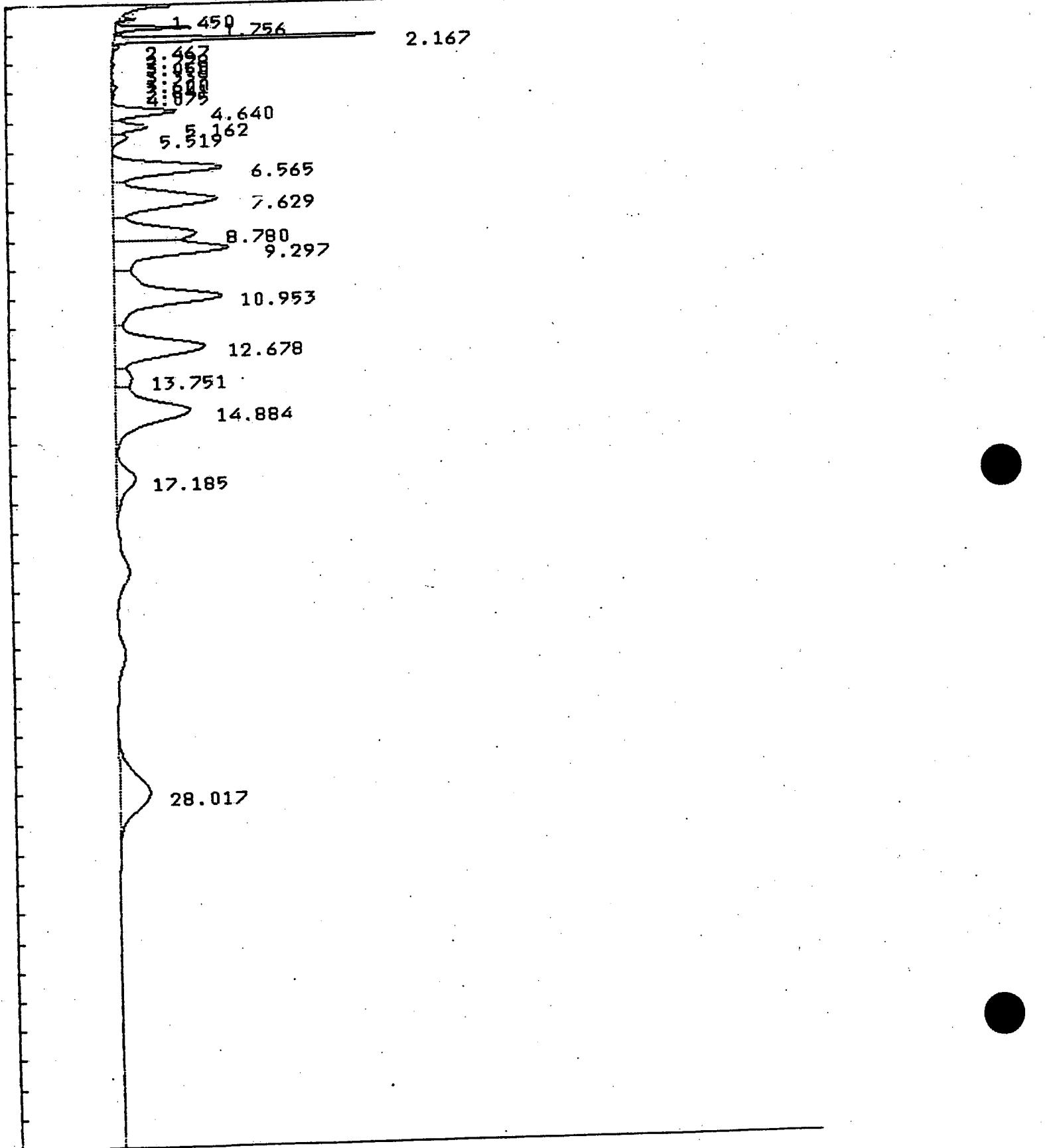
IEA Pesticide Standard Report

		Report No : 41.01
Sample Name	: AR1254 L3	
Result File	: /DATA/LOOP/RESULT/D2A44I_026.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.02 Mins. Injected on 2350 19Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 26	Bottle no. : 26

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    NoReference
                    SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	46786	BV	0.0000	
2	1.76		0.000000	316520	PV	0.0000	
3	2.17		0.000000	1128404	PV	0.0000	TCX
4	2.47		0.000000	27632	VV	0.0000	
5	2.78		0.000000	1499	PV	0.0000	
6	3.05		0.000000	9647	VV	0.0000	
7	3.34		0.000000	3476	PV	0.0000	
8	3.60		0.000000	4652	VV	0.0000	
9	3.84		0.000000	34465	VV	0.0000	
10	4.07		0.000000	16658	VV	0.0000	
11	4.64		0.000000	588866	VV	0.0000	
12	5.16		0.000000	305943	VV	0.0000	
13	5.52		0.000000	145847	VV	0.0000	
14	6.56		0.000000	1546939	VV	0.0000	
15	7.63		0.000000	2052844	VV	0.0000	
16	8.78		0.000000	1360640	VV	0.0000	
17	9.30		0.000000	2035787	VV	0.0000	
18	10.95		0.000000	2512079	VV	0.0000	1254
19	12.68		0.000000	2082813	VV	0.0000	1254
20	13.75		0.000000	315020	VV	0.0000	1254
21	14.88		0.000000	2171511	VV	0.0000	
22	17.19		0.000000	577990	VV	0.0000	
23	28.02		0.000000	1386278	FF	0.0000	DBC

Total Area   :   18672300   Total PPB   :   0.000

Report Time   : 1124 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_026.RES

IEA Pesticide Standard Report

Sample Name : AR1254 L4   Inj 0032 20Nov1996

Result File : /DATA/LOOP/RESULT/D2A44I_027.RES   INSTRUMENT: HP5890A
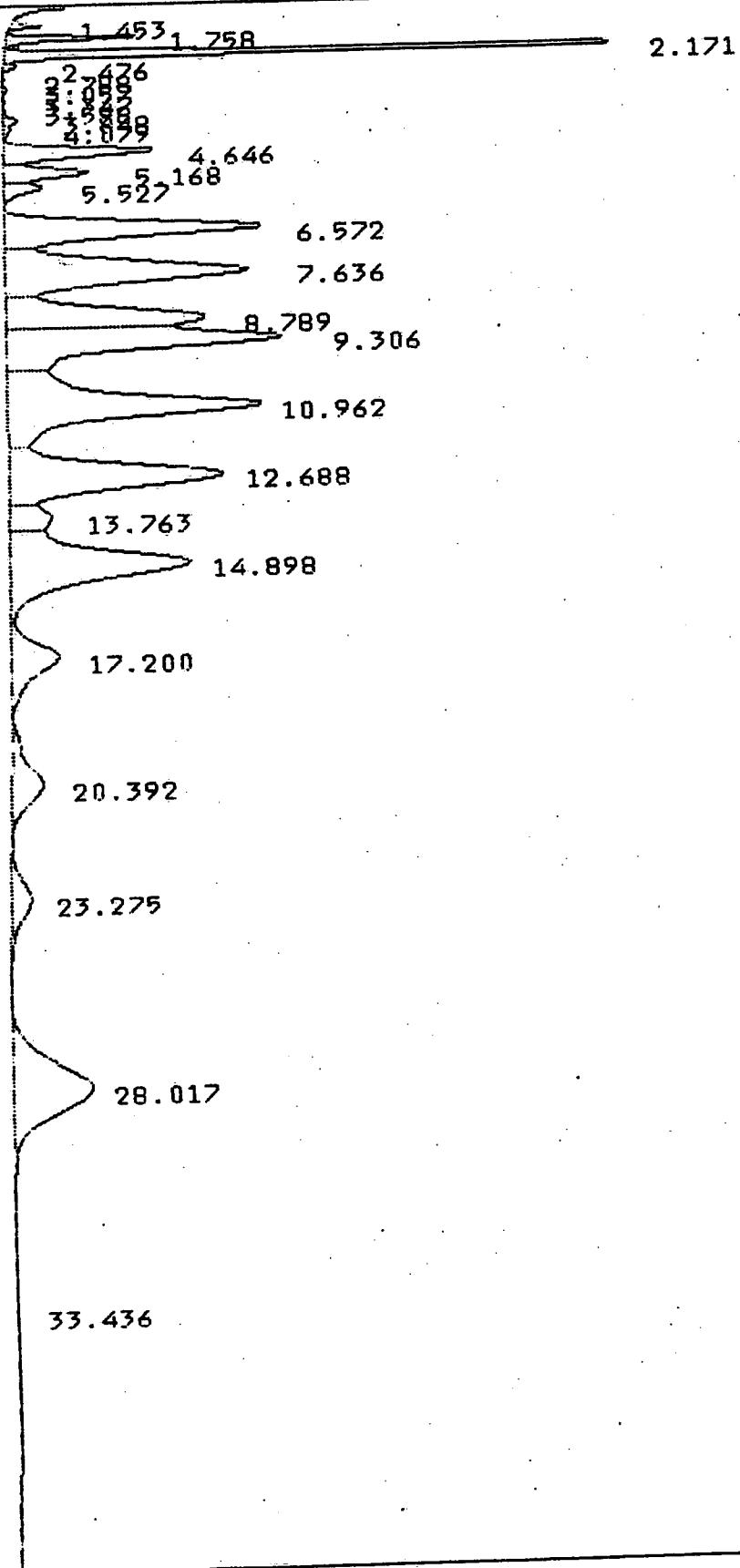
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.453 1.758   2.171

2.426

3.088

4.050

4.079

4.646

5.168

5.527

6.572

7.636

8.789 9.306

10.962

12.688

13.763

14.898

17.200

20.392

23.275

28.017

33.436

000268

IEA Pesticide Standard Report

Sample Name : AR1254 L4
Result File : /DATA/LOOP/RESULT/D2A44I_027.RES
Column Type : 3.0%SP2100 100/120 SUPELCOPORT
Instrument : HP58902A
Calculation : ExternalSTD
Run Time : 40.02 Mins.   Injected on 0032 20Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample : 1/ 27   Bottle no. : 27

Report No : 42.01
Inj. Vol. : 5 ul

% Dil-Fact
100.00

Run Status : RunStatusOK
NoReference
SpecialInteg

Pk #	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	90997	BV	0.0000	
2	1.76		0.000000	529955	PV	0.0000	
3	2.17		0.000000	2620622	VV	0.0000	TCX
4	2.48		0.000000	66013	VV	0.0000	
5	2.79		0.000000	3252	PV	0.0000	
6	3.06		0.000000	24560	PV	0.0000	
7	3.35		0.000000	9837	PV	0.0000	
8	3.60		0.000000	8570	VV	0.0000	
9	3.85		0.000000	93316	VV	0.0000	
10	4.08		0.000000	52047	VV	0.0000	
11	4.65		0.000000	1325253	VV	0.0000	
12	5.17		0.000000	707286	VV	0.0000	
13	5.53		0.000000	347638	VV	0.0000	
14	6.57		0.000000	3509687	VV	0.0000	
15	7.64		0.000000	4660566	VV	0.0000	
16	8.79		0.000000	3149717	VV	0.0000	
17	9.31		0.000000	4699488	VV	0.0000	
18	10.96		0.000000	5776930	VV	0.0000	1254
19	12.69		0.000000	4833247	VV	0.0000	1254
20	13.76		0.000000	777934	VV	0.0000	1254
21	14.90		0.000000	5102966	VV	0.0000	
22	17.20		0.000000	1406937	VV	0.0000	
23	20.39		0.000000	1141034	FF	0.0000	
24	23.28		0.000000	700036	FF	0.0000	
25	28.02		0.000000	3561874	FF	0.0000	DBC
26	33.44		0.000000	18889	PV	0.0000	

Total Area : 45218656   Total PPB : 0.000

Report Time : 1130 21Nov1996
Method : /DATA/LOOP/METHOD/HP58902AP*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_027.RES

IEA Pesticide Standard Report

1.448 758   2.183
2.482
3.062
3.988
4.80062
4.652
5.533 5.174
6.581
7.646
8.802 9.319
10.977
12.705
13.782
14.920
17.228
20.419
23.316
28.067
33.440
36.435
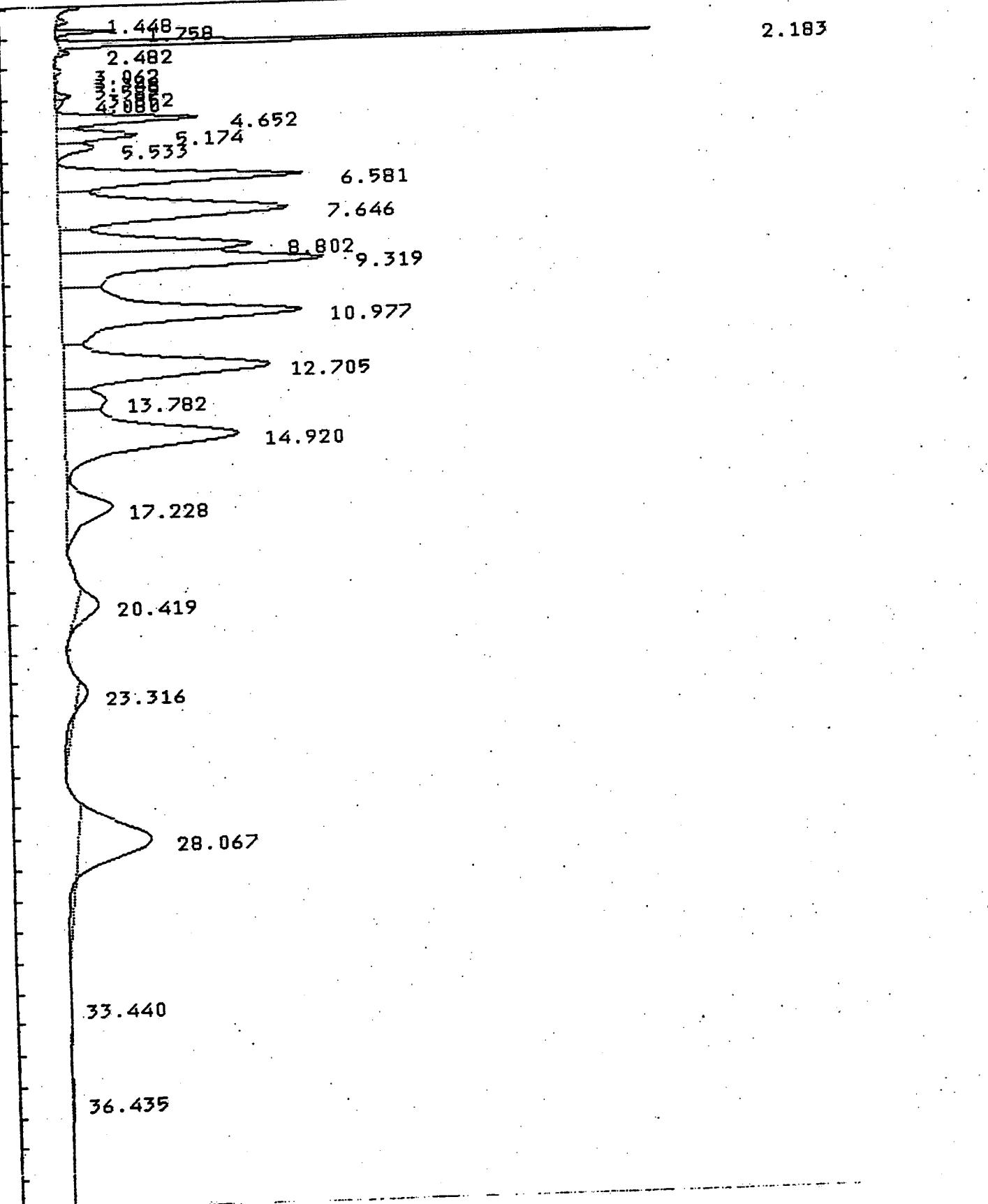
IEA Pesticide Standard Report

Sample Name	: AR1254 L5	Report No : 43.01
Result File	: /DATA20/LOOP/RESULT/D2A44I_028.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 0114 20Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 28	Bottle no. : 28

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                    EndOffBaseline
                    SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	98996	BV	0.0000	
2	1.76		0.000000	574868	PV	0.0000	
3	2.18	2.17	0.000000	6212850	FF	0.0000	TCX
4	2.48		0.000000	93111	BT	0.0000	
5	3.06		0.000000	47113	PT	0.0000	
6	3.35		0.000000	24430	PT	0.0000	
7	3.59		0.000000	9573	VT	0.0000	
8	3.85		0.000000	226793	VT	0.0000	
9	4.08		0.000000	127244	VT	0.0000	
10	4.65		0.000000	3068687	VT	0.0000	
11	5.17		0.000000	1692352	VT	0.0000	
12	5.53		0.000000	858675	VT	0.0000	
13	6.58		0.000000	8294282	VT	0.0000	
14	7.65		0.000000	10998418	VT	0.0000	
15	8.80		0.000000	7611382	VT	0.0000	
16	9.32		0.000000	11198554	VT	0.0000	
17	10.98		0.000000	13680714	VT	0.0000	
18	12.71		0.000000	11526958	VT	0.0000	
19	13.78		0.000000	1937267	VT	0.0000	
20	14.92		0.000000	12217020	VT	0.0000	
21	17.23		0.000000	3378154	VT	0.0000	
22	20.42		0.000000	1298410	BV	0.0000	
23	23.32		0.000000	22150	BV	0.0000	
24	28.07	#27.80	0.000000	6463326	BV	0.0000	DBC
25	33.44		0.000000	50963	PV	0.0000	
26	36.43		0.000000	10436	PB	0.0000	

Total Area   :   101722720   Total PPB   :   0.000

Report Time   : 1509 25Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA20/LOOP/RESULT/D2A44I_028.RES

IEA Pesticide Standard Report

1.453 1.757
2.171
2.225
3.061
3.261
3.658
4.092
4.708
5.208
5.533
6.591
7.638
9.276
10.306
10.923
12.792
13.775
14.908
17.033
19.433
23.292
27.750
30.825

IEA Pesticide Standard Report

Sample Name   : AR1660 L1   Report No : 44.01
Result File   : /DATA/LOOP/RESULT/D2A44I_029.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0157 20Nov1996
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample   : 1/ 29   Bottle no. : 29

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   NoReference
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.45		0.000000	61850	BV	0.0000	
2	1.76		0.000000	455890	PV	0.0000	
3	2.17		0.000000	227910	VV	0.0000	TCX
4	2.48		0.000000	100387	VV	0.0000	
5	2.73		0.000000	4393	VV	0.0000	
6	3.06		0.000000	161999	PV	0.0000	
7	3.35		0.000000	103787	VV	0.0000	
8	3.86		0.000000	387589	FF	0.0000	
9	4.09		0.000000	185970	FF	0.0000	
10	4.71		0.000000	178842	FF	0.0000	1016
11	5.21		0.000000	134092	FF	0.0000	1016
12	5.53		0.000000	125964	FF	0.0000	1016
13	6.59		0.000000	142598	PV	0.0000	
14	7.64		0.000000	135833	VV	0.0000	
15	9.28		0.000000	37473	BV	0.0000	
16	10.31		0.000000	114548	PV	0.0000	
17	10.92		0.000000	289753	VV	0.0000	
18	12.79		0.000000	420544	FF	0.0000	
19	13.77		0.000000	149142	FF	0.0000	
20	14.91		0.000000	395090	FF	0.0000	1260
21	17.03		0.000000	364585	FF	0.0000	1260
22	19.43		0.000000	378010	FF	0.0000	1260
23	23.29		0.000000	615922	FF	0.0000	DBC
24	27.75		0.000000	555328	FF	0.0000	
25	30.83		0.000000	255288	FF	0.0000	

Total Area   :   5982788   Total PPB   :   0.000

Report Time   : 1124 21Nov1996
Method   : /DATA/LOOP/METHOD/HP58902APP*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44I_029.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L2
Result File : /DATA/LOOP/RESULT/D2A44I_030.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT

Inj 0239 20Nov1996
INSTRUMENT: HP58902A
Inj.Vol : 5 ul

1.455
1.760
2.173
2.484
2.728
3.075
3.358
3.867
4.092
4.750
5.208
5.542
6.598
7.639
8.536
9.259
10.307
10.915
12.800
13.775
14.917
17.042
19.425
23.300
27.631
30.755
36.461
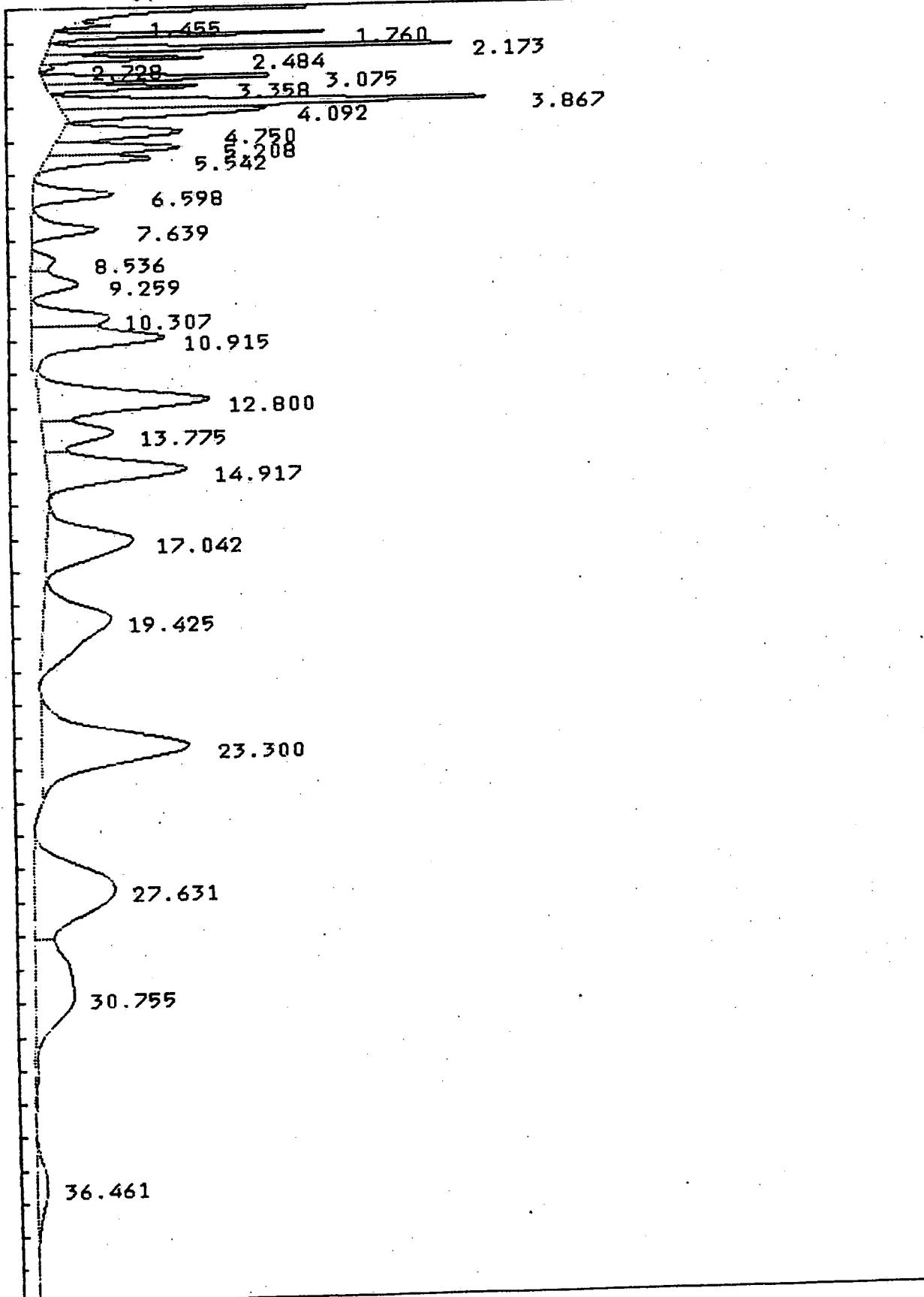
IEA Pesticide Standard Report

Report No : 45.01

Sample Name : AR1660 L2
Result File : /DATA/LOOP/RESULT/D2A44I_030.RES
Column Type : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument : HP58902A
Calculation : ExternalSTD
Run Time : 40.00 Mins. Injected on 0239 20Nov1996
Sequence File : /DATA/LOOP/SEQUENCE/S2A44I.SEQ
Subseq/Sample : 1/ 30 Bottle no. : 30

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.46		0.000000	39500	BV	0.0000	
2	1.76	1.77	0.000000	363865	PV	0.0000	TCX
3	2.17		0.000000	597458	VV	0.0000	
4	2.48		0.000000	258861	VV	0.0000	
5	2.73		0.000000	18769	VV	0.0000	
6	3.07		0.000000	441546	FF	0.0000	
7	3.36		0.000000	269661	FF	0.0000	
8	3.87		0.000000	1027939	FF	0.0000	
9	4.09		0.000000	537594	FF	0.0000	
10	4.75		0.000000	426507	FF	0.0000	1016
11	5.21		0.000000	370479	FF	0.0000	1016
12	5.54		0.000000	310272	FF	0.0000	1016
13	6.60		0.000000	306788	PV	0.0000	
14	7.64		0.000000	282755	VV	0.0000	
15	8.54		0.000000	109962	PV	0.0000	
16	9.26		0.000000	250586	VV	0.0000	
17	10.31		0.000000	380998	VV	0.0000	
18	10.91		0.000000	827240	VV	0.0000	
19	12.80		0.000000	1215637	FF	0.0000	
20	13.77		0.000000	461582	FF	0.0000	
21	14.92		0.000000	1030552	FF	0.0000	
22	17.04		0.000000	920345	FF	0.0000	1260
23	19.42		0.000000	1024992	FF	0.0000	1260
24	23.30		0.000000	1750814	FF	0.0000	1260
25	27.63		0.000000	1461390	VV	0.0000	DBC
26	30.76		0.000000	959510	VV	0.0000	
27	36.46		0.000000	192920	PB	0.0000	

Total Area : 15838528 Total PPB : 0.000

Report Time : 1136 21Nov1996
Method : /DATA/LOOP/METHOD/HP58902BP*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_030.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Inj 0321 20Nov1996
Result File   : /DATA/LOOP/RESULT/D2A44I_031.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

Peaks: 1.445, 1.452, 2.167, 2.223, 2.477, 3.057, 3.341, 3.850, 4.080, 4.733, 5.200, 5.526, 6.596, 7.637, 10.306, 10.913, 12.791, 13.765, 14.905, 17.027, 19.416, 23.283, 27.630, 30.739, 36.432
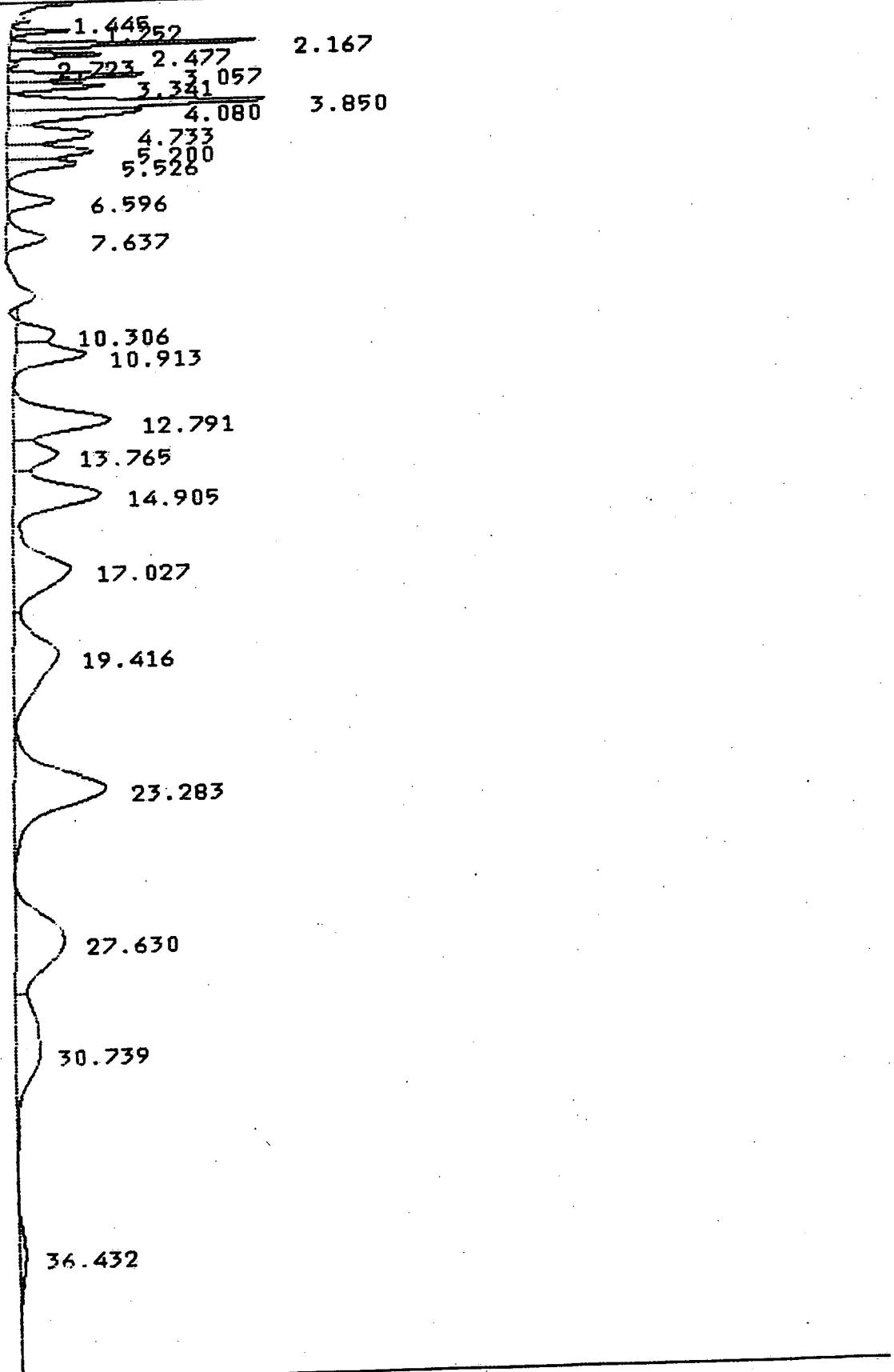
IFA Pesticide Standard Report

Sample Name	: AR1660 L3	Report No	: 46.00
Result File	: /DATA/LOOP/RESULT/D2A44I_031.RES		
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol.	: 5 ul
Instrument	: HP58902A		
Calculation	: ExternalSTD		
Run Time	: 40.02 Mins. Injected on 0321 20Nov1996		
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ		
Subseq/Sample	: 1/ 31	Bottle no.	: 31

% Dil-Fact
100.00

Run Status   : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.085328	38951	BV	0.0000	
2	1.75		.124556	265682	PV	0.0000	
3	2.17	2.17	.121648	1209453	VV	0.0000	TCX
4	2.48		.147338	519717	VV	0.0000	
5	2.72		.122975	41434	VV	0.0000	
6	3.06		.171555	871180	PV	0.0000	
7	3.34		.175523	614161	VV	0.0000	
8	3.85		.230618	2164203	VV	0.0000	
9	4.08		.284841	1345242	VV	0.0000	
10	4.73		.387423	1170783	VV	0.0000	1016
11	5.20		.287178	869332	VV	0.0000	1016
12	5.53		.306859	770289	VV	0.0000	1016
13	6.60		.383817	649075	VV	0.0000	
14	7.64		.425221	594719	VV	0.0000	
15	10.31		.382718	514548	BV	0.0000	
16	10.91		.539423	1336226	VV	0.0000	
17	12.79		.683670	2343569	PV	0.0000	
18	13.77		.633510	998756	VV	0.0000	
19	14.91		.776215	2372561	VV	0.0000	
20	17.03		1.162119	2332239	VV	0.0000	1260
21	19.42		1.560769	2434753	VV	0.0000	1260
22	23.28		1.252171	4006603	VV	0.0000	1260
23	27.63	#27.80	1.720325	2954371	PV	0.0000	DBC
24	30.74		2.300931	1911494	VV	0.0000	
25	36.43		1.768291	417328	PB	0.0000	

Total Area   :   32746668   Total PPB   :   0.000

Report Time : 0403 20Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_031.RES

IEA Pesticide Standard Report

1.444 1.752
2.167
2.477
2.722   3.055
3.338
3.846
4.076
4.730
5.193
5.518
6.584
7.623
10.287
10.892
12.767
13.740
14.879
17.001
19.381
23.254
27.621
30.709
36.410
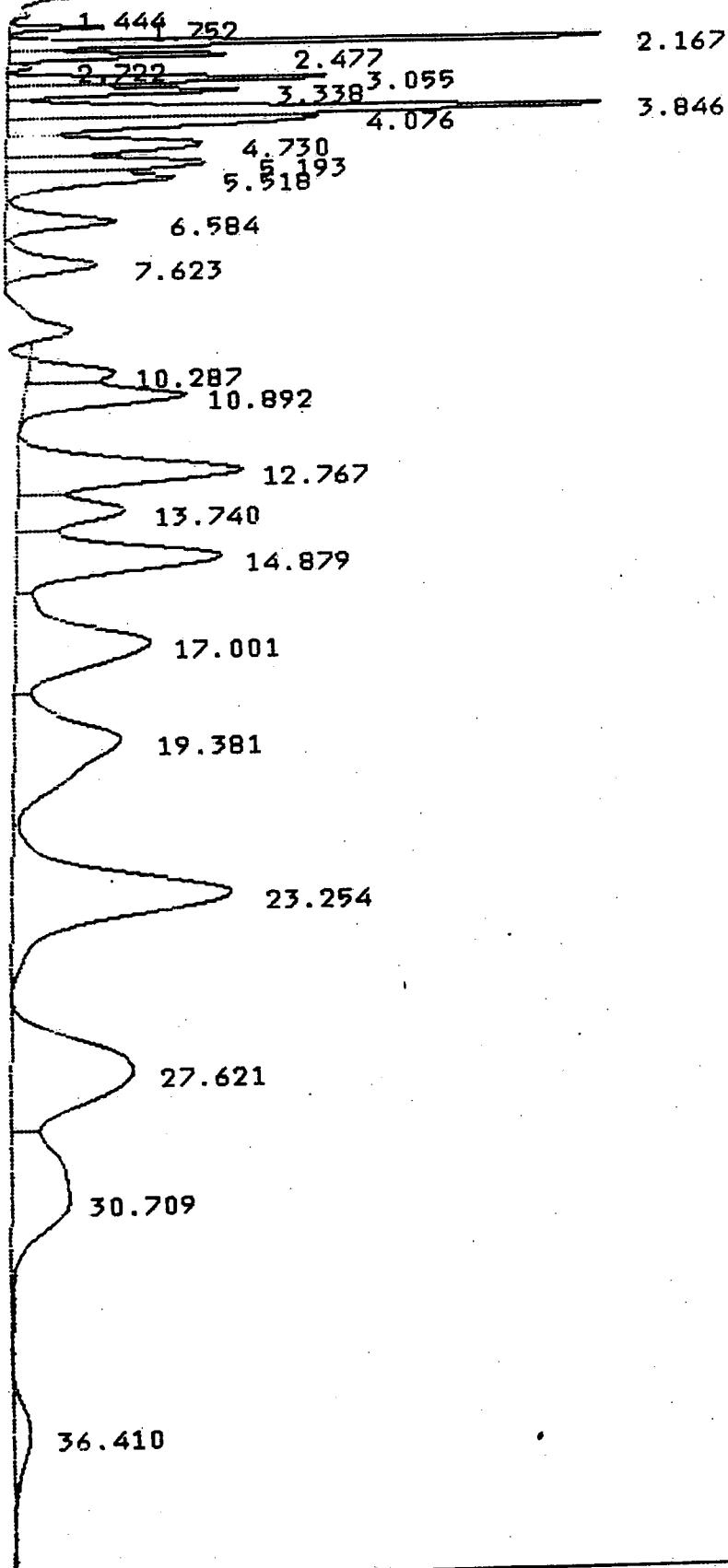
IFA Pesticide Standard Report

		Report No : 47 00
Sample Name	: AR1660 L4	
Result File	: /DATA/LOOP/RESULT/D2A44I_032.RES	
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol. : 5 ul
Instrument	: HP58902A	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 0404 20Nov1996	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44I.SEQ	
Subseq/Sample	: 1/ 32	Bottle no. : 32

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.076423	32982	BV	0.0000	
2	1.75		.112617	397498	PV	0.0000	
3	2.17	2.17	.123826	3067856	PV	0.0000	TCX
4	2.48		.148070	1270315	VV	0.0000	
5	2.72		.124769	112283	VV	0.0000	
6	3.05		.172436	2103683	PV	0.0000	
7	3.34		.177114	1522133	VV	0.0000	
8	3.85		.231522	5150757	VV	0.0000	
9	4.08		.286945	3264798	VV	0.0000	
10	4.73		.386010	2762712	VV	0.0000	1016
11	5.19		.286801	2089330	VV	0.0000	1016
12	5.52		.308637	1903221	VV	0.0000	1016
13	6.58		.388621	1582571	VV	0.0000	
14	7.62		.430949	1455384	VV	0.0000	
15	10.29		.367764	1167403	BV	0.0000	
16	10.89		.539649	3151658	VV	0.0000	
17	12.77		.685807	5582413	PV	0.0000	
18	13.74		.635053	2469487	VV	0.0000	
19	14.88		.782499	5804493	VV	0.0000	1260
20	17.00		1.183254	5767439	VV	0.0000	1260
21	19.38		1.591876	6138112	VV	0.0000	
22	23.25		1.272239	10075524	VV	0.0000	1260
23	27.62	#27.80	1.736165	7655617	PV	0.0000	DBC
24	30.71		2.314969	4923818	VV	0.0000	
25	36.41		1.717741	1086781	PB	0.0000	

Total Area   :   80538304   Total PPB   :   0.000

Report Time : 0451 20Nov1996
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44I_032.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L5   Inj 0452 20Nov1996
Result File : /DATA/LOOP/RESULT/D2A44I_033.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

958
1.450
958
2.183
2.733
2.483
3.067
3.350
3.858
4.083
4.242
5.200
5.525
6.592
7.633
9.250
10.289
10.895
12.771
13.744
14.884
17.007
19.384
23.262
27.667
30.728
36.437

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Inj 0108 15Mar1997
Result File   : /DATA/LOOP/RESULT/D2B44BN_039.RES   INSTRUMENT: HP58902B
Column Type   :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul
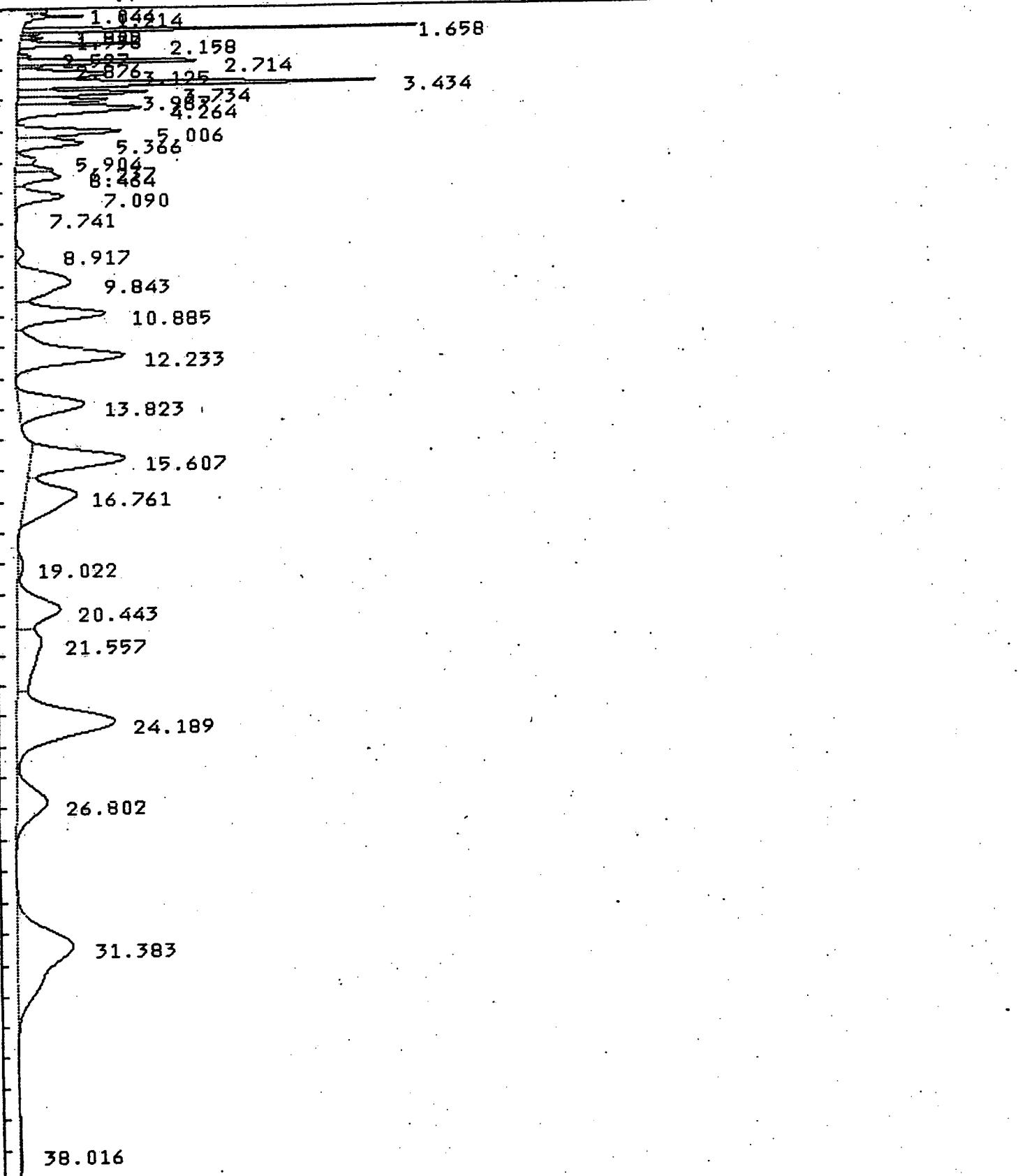
1.04914
1.658
2.158
2.714
3.434
3.125
3.734
4.264
5.006
5.366
5.904
6.484
7.090
7.741
8.917
9.843
10.885
12.233
13.823
15.607
16.761
19.022
20.443
21.557
24.189
26.802
31.383
38.016

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Report No :379.00
Result File   : /DATA/LOOP/RESULT/D2B44BN_039.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 0108 15Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44BN.SEQ
Subseq/Sample   : 1/ 39   Bottle no. : 40

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.04		.069951	14805	PH	0.0000	
2	1.21		.076790	40059	VV	0.0000	
3	1.66	#1.65	.070231	266112	BV	0.0000	TCX
4	1.80		.079952	12891	VV	0.0000	
5	1.94		.083067	16588	VV	0.0000	
6	2.16		.107890	119729	VV	0.0000	
7	2.53		.092520	10474	PV	0.0000	
8	2.71		.119168	207352	VV	0.0000	
9	2.88	2.85	.075365	14435	VV	0.0000	G-BHC
10	3.12		.247161	189886	VV	0.0000	
11	3.43	3.50	.147926	457582	VV	0.0000 1016	HEPTACHLOR
12	3.73	3.70	.168027	188471	VV	0.0000	D-BHC
13	3.99		.160876	126734	VV	0.0000	
14	4.26	4.20	.291496	305012	VV	0.0000	ALDRIN
15	5.01		.231272	205006	VV	0.0000 1016	
16	5.37		.259305	147789	VV	0.0000 101L	
17	5.90	5.95	.221399	38890	VV	0.0000	HEPTACHLOR EPOXIDE
18	6.24		.232122	72256	VV	0.0000	
19	6.46		.288668	111667	VV	0.0000	
20	7.09		.338061	138880	VV	0.0000	
21	7.74		.274270	5773	VV	0.0000	
22	8.92	9.05	.402645	27229	PV	0.0000	DIELDRIN
23	9.84		.753266	348543	VV	0.0000	
24	10.88	11.00	.463212	349701	VV	0.0000	ENDRIN
25	12.23		.586560	535843	VV	0.0000	
26	13.82		.608650	335907	PV	0.0000	
27	15.61	15.80	.600310	471260	BV	0.0000	4,4' DDT
28	16.76	16.55	.881088	378050	VV	0.0000	ENDRIN ALDEHTDE
29	19.02	19.20	.626701	29406	PV	0.0000	ENDOSULFAN SULFATE
30	20.44		.867694	310570	VV	0.0000 1260	
31	21.56		1.517188	315529	VV	0.0000	
32	24.19		1.052798	861012	VV	0.0000 1260	
33	26.80	27.40	1.109978	284463	VV	0.0000	DBC
34	31.38		1.753167	818030	PV	0.0000 1260	

GDS
3.18.97

35   38.02   1.846391   18979 PB   0.0000

Total Area   :   7774911   Total PPB   :   0.000

Report Time   : 0155 15Mar1997

IEA Pesticide Standard Report

Method   : /DATA/LOOP/METHOD/HP58902B.MTH
Result File   : /DATA/LOOP/RESULT/D2B44BN_039.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L3   Inj 1802 18Mar1997   INSTRUMENT: HP58902B
Result File : /DATA/LOOP/RESULT/D2B44BQ_002.RES
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.0554
1.671
1.953
2.172
2.543
2.730
3.142
3.452
3.755
4.102
4.284
5.028
5.389
5.929
6.226
6.489
7.118
8.958
9.883
10.933
12.283
13.875
15.667
16.817
19.100
20.525
21.633
24.283
26.883
31.492
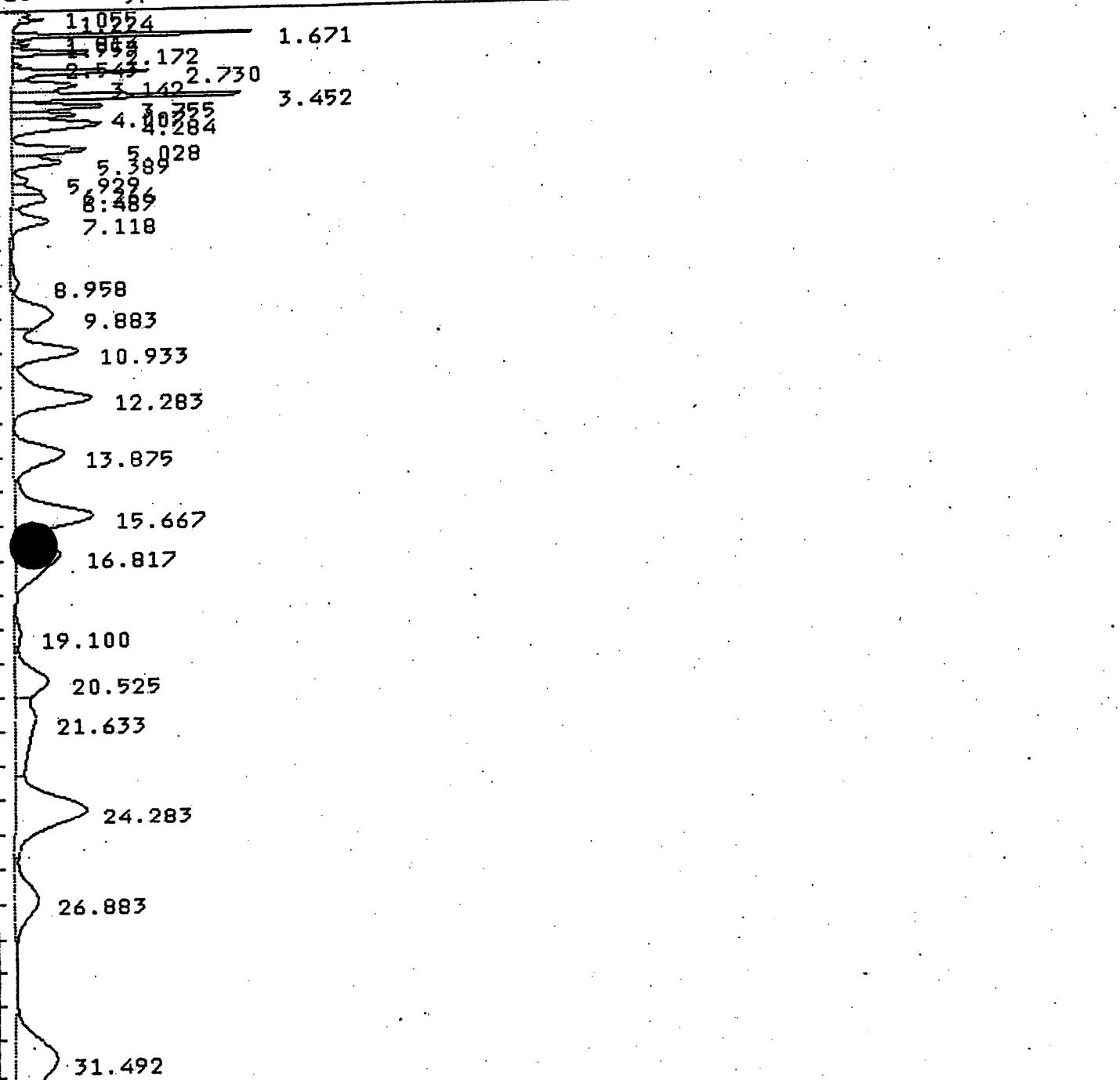
IEA Pesticide Standard Report

Report No :413.01

Sample Name   : AR1660 L3
Result File   : /DATA/LOOP/RESULT/D2B44BQ_002.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument.   : HP58902B
Calculation   : ExternalSTD
Run Time   :   40.02 Mins.   Injected on 1802 18Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample :   1/ 2   Bottle no. : 3

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.06		0.000000	4127	BV	0.0000	
2	1.22		0.000000	23874	PV	0.0000	
3	1.67	#1.70	0.000000	284758	PV	0.0000	TCX
4	1.81		0.000000	13005	VV	0.0000	
5	1.95		0.000000	18458	VV	0.0000	
6	2.17		0.000000	130271	VV	0.0000	
7	2.54		0.000000	11643	PV	0.0000	
8	2.73		0.000000	240169	VV	0.0000	
9	3.14		0.000000	206710	VV	0.0000	B-BHC
10	3.45	3.20	0.000000	485841	VV	0.0000 1016	HEPTACHLOR
11	3.75	3.50	0.000000	212069	VV	0.0000	D-BHC
12	4.01	3.70	0.000000	137634	VV	0.0000	
13	4.28		0.000000	342483	VV	0.0000	ALDRIN
14	5.03	4.20	0.000000	226627	VV	0.0000 1016	
15	5.39		0.000000	165014	VV	0.0000 1016	
16	5.93		0.000000	44854	VV	0.0000	HEPTACHLOR EPOXIDE
17	6.27	5.95	0.000000	92632	VV	0.0000	
18	6.49		0.000000	126699	VV	0.0000	
19	7.12		0.000000	160194	VV	0.0000	
20	8.96		0.000000	63034	FF	0.0000	DIELDRIN
21	9.88	9.05	0.000000	357328	FF	0.0000	
22	10.93		0.000000	444017	FF	0.0000	ENDRIN
23	12.28	11.00	0.000000	604643	FF	0.0000	
24	13.88		0.000000	419057	FF	0.0000	
25	15.67		0.000000	677844	FF	0.0000	4,4' DDT
26	16.82	15.80	0.000000	575329	FF	0.0000	ENDRIN ALDEHYDE
27	19.10	16.55	0.000000	69003	FF	0.0000	ENDOSULFAN SULFATE
28	20.53	19.20	0.000000	354370	FF	0.0000 1260	
29	21.63		0.000000	426113	FF	0.0000	
30	24.28		0.000000	979191	FF	0.0000 1260	
31	26.88		0.000000	345877	FF	0.0000	DBC
32	31.49	27.15	0.000000	939118	FF	0.0000 1260	

GDS
0.000 3.31.97

Total Area   :   9181988   Total PPB   :   0.000

Report Time   : 0959 19Mar1997

Method   : /DATA/LOOP/METHOD/HP58902BP.MTH
Result File   : /DATA/LOOP/RESULT/D2844BQ_002.RES

IEA Pesticide Standard Report

1.05624
1.673
1.842
2.174
2.545
2.733
3.145
3.458
3.761
4.013
4.294
5.038
5.399
5.940
6.510
7.135
8.970
9.902
10.950
12.311
13.913
15.708
16.872
19.158
20.574
21.689
24.356
26.961
31.598
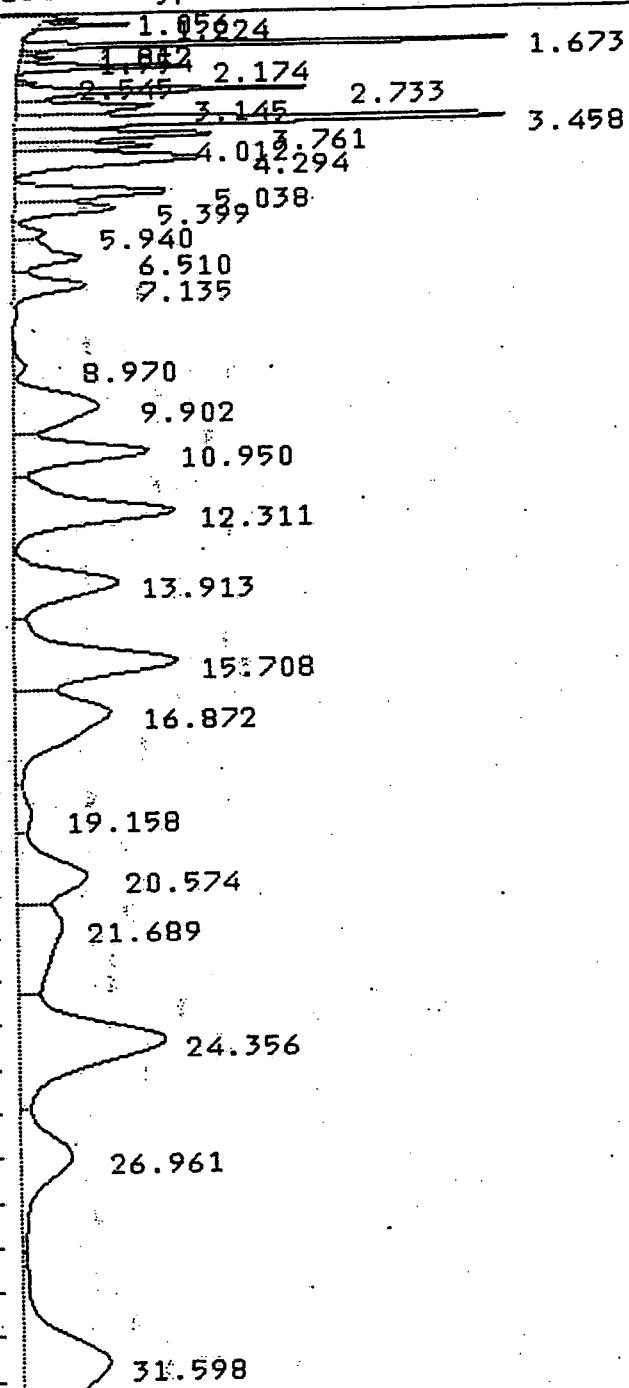
IEA Pesticide Standard Report

Sample Name	:	AR1660 L3	Report No : 427.00
Result File	:	/DATA/LOOP/RESULT/D2B44BQ_016.RES	
Column Type	:	1.5%SP2250/1.95%SP2401 100/120SUPLPORT	Inj.Vol. : 5 ul
Instrument	:	HP58902B	
Calculation	:	ExternalSTD	
Run Time	:	40.00 Mins.	Injected on 0403 19Mar1997
Sequence File	:	/DATA/LOOP/SEQUENCE/S2B44BQ.SEQ	
Subseq/Sample	:	1/ 16	Bottle no. : 17

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.06		.043455	8800	BV	0.0000	
2	1.22		.057505	39950	PV	0.0000	
3	1.67	1.65	.073189	281122	PV	0.0000	TCX
4	1.81		.072325	12507	VV	0.0000	
5	1.95		.083933	17422	VV	0.0000	
6	2.17		.111600	128602	VV	0.0000	
7	2.54		.094431	11245	PV	0.0000	
8	2.73		.132707	236544	VV	0.0000	
9	3.14		.246315	199978	VV	0.0000	
10	3.46		.156862	487097	VV	0.0000	1016
11	3.76		.176621	212365	VV	0.0000	
12	4.01		.165614	134681	VV	0.0000	
13	4.29		.308601	336732	VV	0.0000	
14	5.04		.240827	220078	VV	0.0000	1016
15	5.40		.269536	160698	VV	0.0000	1016
16	5.94		.241565	44423	VV	0.0000	
17	6.51		.411809	163548	VV	0.0000	
18	7.13		.356491	152670	VV	0.0000	
19	8.97		.416432	29487	PV	0.0000	
20	9.90		.773441	381232	VV	0.0000	
21	10.95		.495322	387109	VV	0.0000	
22	12.31		.635621	596100	VV	0.0000	
23	13.91		.703003	425622	VV	0.0000	
24	15.71		.771334	732202	VV	0.0000	
25	16.87		1.092797	601646	VV	0.0000	
26	19.16		.857955	75977	VV	0.0000	
27	20.57		.979946	400196	VV	0.0000	1260
28	21.69		1.618030	416918	VV	0.0000	
29	24.36		1.184554	1011696	VV	0.0000	1260
30	26.96	#27.00	1.389998	415062	VV	0.0000	DBC
31	31.60		2.038496	1027472	VV	0.0000	1260

Total Area : 9349182   Total PPB : 0.000

Report Time	:	0446 19Mar1997
Method	:	/DATA/LOOP/METHOD/HP58902B*.MTH
Result File	:	/DATA/LOOP/RESULT/D2B44BQ_016.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L3   Inj 1412 19Mar1997
Result File : /DATA/LOOP/RESULT/D2B44BQ_028.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul
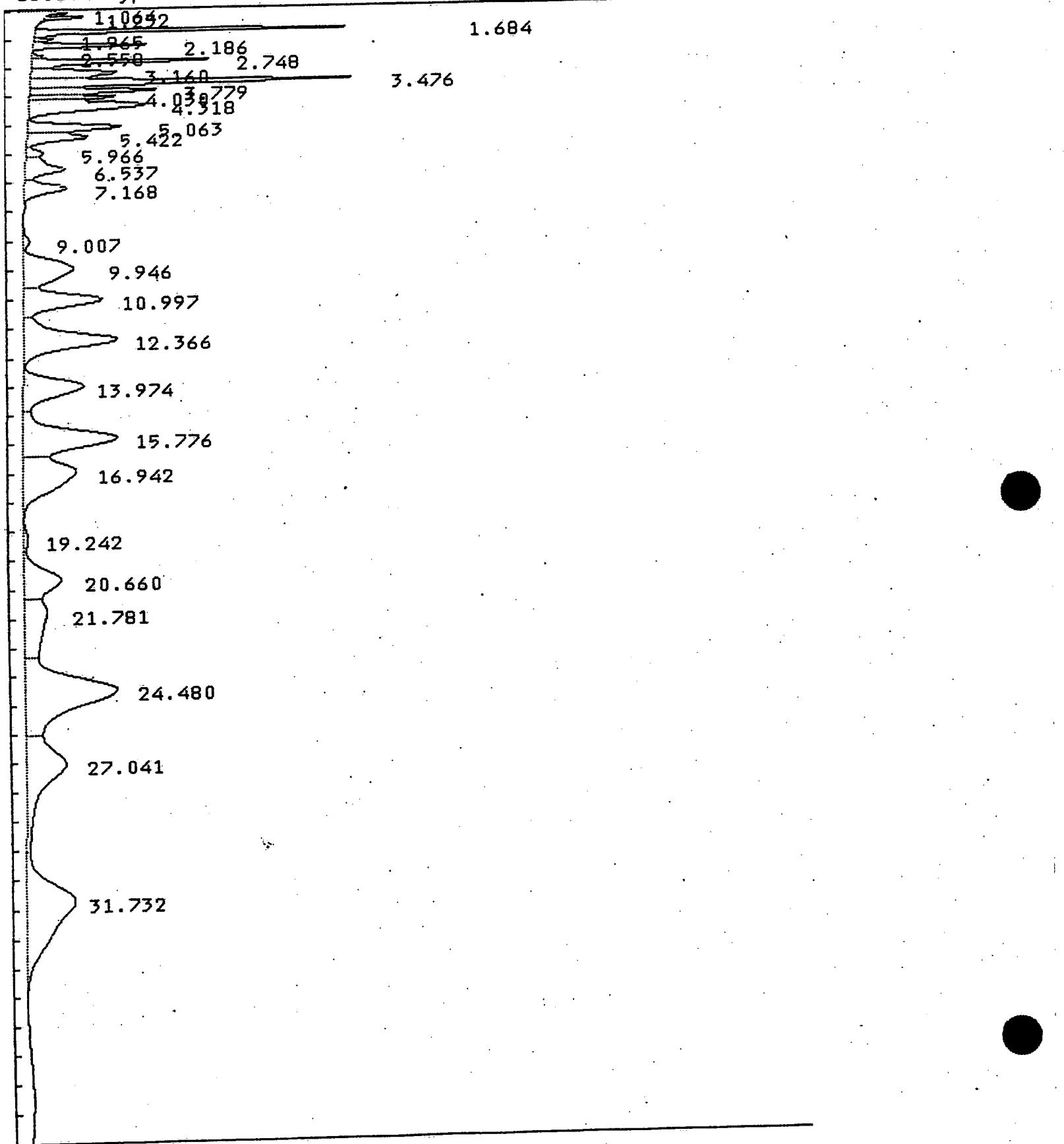
1.0642
1.684
1.965
2.186
2.550
2.748
3.160
3.476
4.030
3.779
4.518
5.063
5.422
5.966
6.537
7.168
9.007
9.946
10.997
12.366
13.974
15.776
16.942
19.242
20.660
21.781
24.480
27.041
31.732

Control - Instrument 03 will not continue, LAS A/D not ready
Instrument status is 07

IEA Pesticide Standard Report

Report No :440.00

Sample Name   : AR1660 L3
Result File   : /DATA/LOOP/RESULT/D2B44BQ_028.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 1412 19Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample   : 1/ 28   Bottle no. : 29

% Dil-Fact
  100.00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.06		.043031	7281	BV	0.0000	
2	1.23		.055341	28112	PV	0.0000	
3	1.68	1.65	.081057	288444	PV	0.0000	TCX
4	1.97		.086807	16544	VV	0.0000	
5	2.19		.116458	126107	VV	0.0000	
6	2.56		.094073	10354	PV	0.0000	
7	2.75		.140068	233481	VV	0.0000	
8	3.16		.248580	194711	VV	0.0000	
9	3.48		.166497	483902	VV	0.0000	101b
10	3.78		.185223	210019	VV	0.0000	
11	4.03		.171533	132671	VV	0.0000	
12	4.32		.324072	333178	VV	0.0000	
13	5.06		.250996	210341	VV	0.0000	101b
14	5.42		.281201	155785	VV	0.0000	101L
15	5.97		.246858	39736	VV	0.0000	
16	6.54		.427141	152011	VV	0.0000	
17	7.17		.368274	138092	VV	0.0000	
18	9.01		.414981	25268	PV	0.0000	
19	9.95		.784417	352121	VV	0.0000	
20	11.00		.519930	363885	VV	0.0000	
21	12.37		.663999	555671	VV	0.0000	
22	13.97		.720594	386300	VV	0.0000	
23	15.78		.779224	650686	VV	0.0000	
24	16.94		1.065433	501895	VV	0.0000	
25	19.24		.659489	25781	VV	0.0000	
26	20.66		.934750	308360	VV	0.0000	12b0
27	21.78		1.640915	336290	VV	0.0000	
28	24.48		1.350117	1106640	VV	0.0000	12b0
29	27.04	#27.00	1.747823	625650	VV	0.0000	DBC
30	31.73		1.960149	845351	VV	0.0000	12b6

Total Area   :   8844670   Total PPB   :   0.000

Report Time   : 1506 19Mar1997
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH

Result File   : /DATA/LOOP/RESULT/D2B44BQ_028.RES

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Inj 0154 15Mar1997
Result File   : /DATA/LOOP/RESULT/D2A44BN_040.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Report No :381.00
Result File   : /DATA/LOOP/RESULT/D2A44BN_040.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0154 15Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BN.SEQ
Subseq/Sample : 1/ 40   Bottle no. : 40

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.088880	50434	PV	0.0000	
2	1.58		.065894	13844	VV	0.0000	
3	1.74		.095330	170663	PV	0.0000	
4	2.17	#2.15	.113695	1590822	PV	0.0000	TCX
5	2.48	2.45	.137020	640319	VV	0.0000	A-BHC
6	2.73		.121033	51415	VV	0.0000	
7	3.07		.165579	1095837	PV	0.0000	
8	3.35		.170141	774263	VV	0.0000	
9	3.87		.225229	2773719	VV	0.0000	
10	4.09		.282137	1690177	VV	0.0000	
11	4.76		.381059	1379894	VV	0.0000 1016	ALDRIN
12	5.22	5.30	.286691	1044973	VV	0.0000 1016	
13	5.55		.299832	911477	VV	0.0000 1016	
14	6.63		.362433	716706	VV	0.0000	
15	7.68		.403280	641050	VV	0.0000	
16	8.52		.439773	229793	PV	0.0000	
17	9.32		.536711	583266	VV	0.0000	
18	10.37	10.40	.471627	926396	VV	0.0000	ENDOSULFAN II
19	10.98	11.00	.595411	1947662	VV	0.0000	4,4' DDD
20	12.89	13.00	.719172	3158406	VV	0.0000	ENDOSULFAN SULFATE
21	13.87		.657716	1374510	VV	0.0000	
22	15.03		.820228	3246420	VV	0.0000	
23	17.16		1.225540	3213982	VV	0.0000 1260	
24	19.57		1.654697	3332951	VV	0.0000 1260	
25	23.51		1.291507	5304009	VV	0.0000 1260	
26	27.89	27.63	1.628788	3878241	VV	0.0000	DBC
27	31.00		2.290509	2308038	VV	0.0000	
28	36.82		1.680490	479157	PB	0.0000	

Total Area   :   43528440   Total PPB :   0.000

Report Time : 0235 15Mar1997
Method   : /DATA/LOOP/METHOD/HP58902A.MTH
Result File : /DATA/LOOP/RESULT/D2A44BN_040.RES

GDS
3.18.97

IEA Pesticide Standard Report

1.443
1.558
2.191
2.502
2.746
3.086
3.373
3.892
4.123
4.779
5.266
5.585
6.665
7.723
8.561
9.364
10.426
11.037
12.957
13.936
15.112
17.256
19.676
23.646
28.051
31.175
37.021

IEA.Pesticide Standard Report

Sample Name	: AR1660 L3
Result File	: /DATA/LOOP/RESULT/D2A44BQ_003.RES
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT
Instrument	: HP58902A
Calculation	: ExternalSTD
Run Time	: 40.00 Mins. Injected on 1844 18Mar1997
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample	: 1/ 3 Bottle no. : 3

Report No :417.00

Inj. Vol. : 5 ul

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.44		.077962	63190	BV	0.0000	
2	1.76		.094385	159210	PV	0.0000	
3	2.19		.117160	1920137	PV	0.0000	TCL
4	2.50		.140870	779811	VV	0.0000	
5	2.75		.124865	69305	VV	0.0000	
6	3.09		.169693	1302728	PV	0.0000	
7	3.37		.173832	918758	VV	0.0000	
8	3.89		.232066	3207959	VV	0.0000	
9	4.12		.290269	2045059	VV	0.0000	
10	4.78		.388121	1674247	VV	0.0000	1016
11	5.25		.292251	1236942	VV	0.0000	1016
12	5.58		.306041	1082314	VV	0.0000	1016
13	6.66		.369089	867645	VV	0.0000	
14	7.72		.411103	779197	PV	0.0000	
15	8.56		.434290	311402	PV	0.0000	
16	9.36		.542319	693839	VV	0.0000	
17	10.43		.475197	1099741	VV	0.0000	
18	11.04		.612326	2329046	VV	0.0000	
19	12.96		.738892	3733850	VV	0.0000	
20	13.94		.670387	1633426	VV	0.0000	
21	15.11		.846932	3840401	VV	0.0000	1260
22	17.26		1.262619	3879513	VV	0.0000	1260
23	19.68		1.695363	4040090	VV	0.0000	1260
24	23.65		1.343597	6328945	VV	0.0000	DAC
25	28.05		1.645302	4609749	VV	0.0000	
26	31.18		2.373735	2875712	VV	0.0000	
27	37.02		1.635277	552610	PB	0.0000	

Total Area   :   52034832   Total PPB   :   0.000

Report Time	: 1925 18Mar1997
Method	: /DATA/LOOP/METHOD/HP58902A*.MTH
Result File	: /DATA/LOOP/RESULT/D2A44BQ_003.RES

IEA Pesticide Standard Report

Sample Name : AR1660 L3   Inj 0446 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_017.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
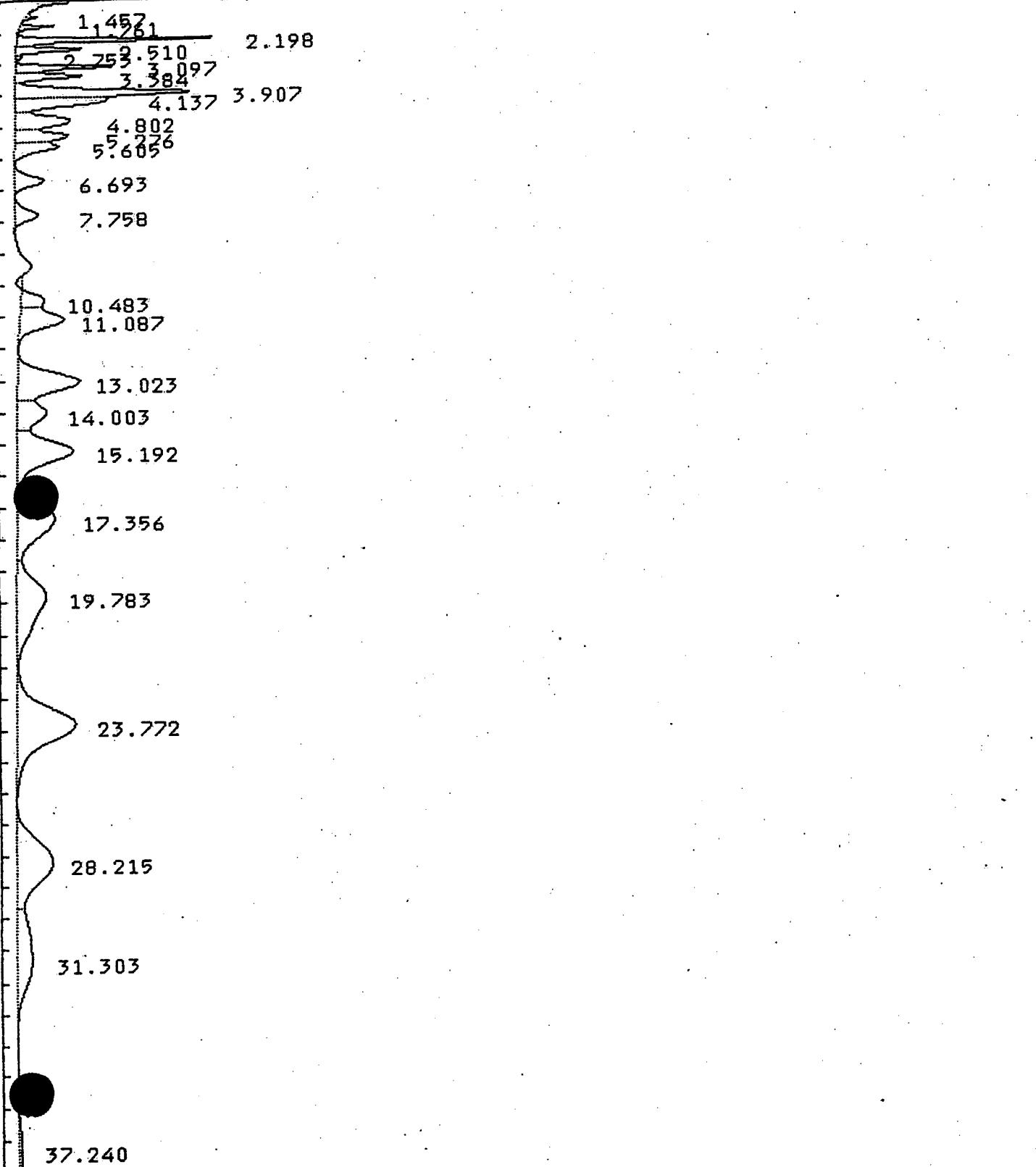
1.457
1.261
2.198
2.753 2.510
3.097
3.384
4.137 3.907
4.802
5.276
5.605
6.693
7.758
10.483
11.087
13.023
14.003
15.192
17.356
19.783
23.772
28.215
31.303
37.240

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Report No :431.01
Result File   : /DATA/LOOP/RESULT/D2A44BQ_017.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 0446 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample : 1/ 17   Bottle no. : 17

% Dil-Fact
    100.00

Run Status   : RunStatusOK
              EndOffBaseline
              NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.46		.038576	30189	BV	0.0000	
2	1.76		.095910	261340	PV	0.0000	TCX
3	2.20		.120121	1777868	PV	0.0000	
4	2.51		.143035	718581	VV	0.0000	
5	2.75		.125283	60269	VV	0.0000	
6	3.10		.172520	1211060	PV	0.0000	
7	3.38		.177198	853130	VV	0.0000	
8	3.91		.237996	3054137	VV	0.0000	
9	4.14		.288887	1935662	VV	0.0000	
10	4.80		.390031	1551547	VV	0.0000 IOIb	
11	5.28	5.30	.297999	1152527	VV	0.0000 IOIb	ALDRIN
12	5.61		.314330	1019318	VV	0.0000 IOIb	
13	6.69		.379781	809765	VV	0.0000	
14	7.76	7.90	.433689	746034	VV	0.0000	A-CHLORDANE
15	10.48	10.40	.355338	599516	BV	0.0000	ENDOSULFAN II
16	11.09	11.00	.587762	1858543	VV	0.0000	4,4' DDB
17	13.02	13.00	.738474	3307225	PV	0.0000	ENDOSULFAN SULFATE
18	14.00	14.20	.678730	1423938	VV	0.0000	4,4' DDT
19	15.19		.865059	3472442	VV	0.0000	
20	17.36		1.243056	3356985	VV	0.0000 I2bb	
21	19.78		1.675805	3505524	VV	0.0000 I2bb	
22	23.77		1.367604	5772337	VV	0.0000 I2bb	
23	28.21	28.50	1.657952	4310014	PV	0.0000	DBC
24	31.30		2.384700	2611541	VV	0.0000	
25	37.24		1.867756	552507	PB	0.0000	

Total Area   :   45952000   Total PPB :   0.000

Report Time : 0804 19Mar1997
Method   : /DATA/LOOP/METHOD/HP58902AP.MTH
Result File   : /DATA/LOOP/RESULT/D2A44BQ_017.RES

GDS
3.24.97

IEA Pesticide Standard Report

Sample Name   : AR1660 L3   Inj 1504 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2A44BQ_029.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
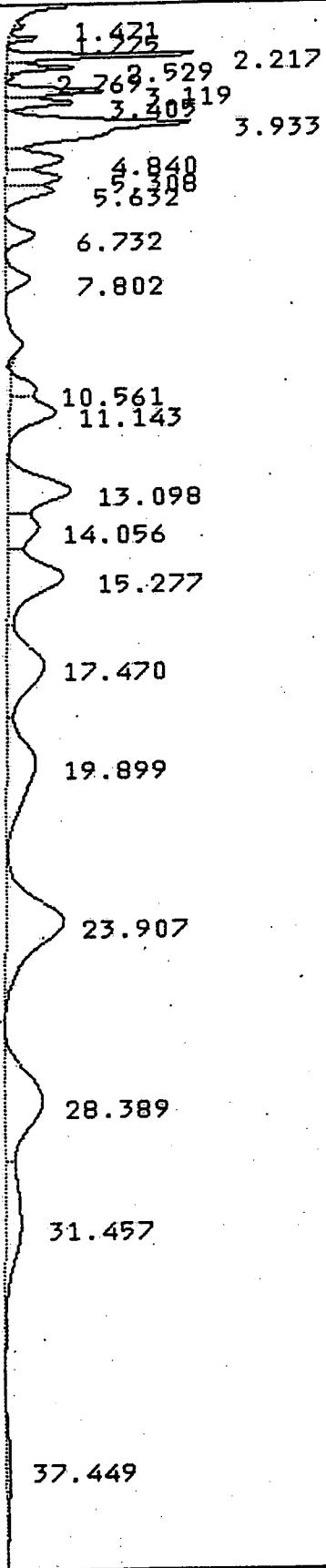
1.421
1.955
2.217
2.269
2.529
3.119
3.405
3.933
4.840
5.308
5.632
6.732
7.802
10.561
11.143
13.098
14.056
15.277
17.470
19.899
23.907
28.389
31.457
37.449

IEA Pesticide Standard Report

		Report No : 444.00
Sample Name	: AR1660 L3	
Result File	: /DATA/LOOP/RESULT/D2A44BQ_029.RES	Inj. Vol. : 5 ul
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	
Instrument	: HP58902A	
Calculation	: ExternalSTD	Injected on 1504 19Mar1997
Run Time	: 40.00 Mins.	
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ	
Subseq/Sample	: 1/ 29	Bottle no. : 29

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.47		.083811	61072	PV	0.0000	
2	1.78		.099042	194688	PV	0.0000	
3	2.22		.128564	1691973	PV	0.0000 tot TCR
4	2.53		.149833	671572	VV	0.0000	
5	2.77		.125437	52160	VV	0.0000	
6	3.12		.179894	1125368	PV	0.0000	
7	3.41		.187741	806763	VV	0.0000	
8	3.93		.411839	4727398	VV	0.0000	
9	4.84		.396998	1416208	VV	0.0000 1016	
10	5.31		.309595	1059924	VV	0.0000 1016	
11	5.63		.334074	976581	VV	0.0000 1016	
12	6.73		.393497	716095	VV	0.0000	
13	7.80		.450065	639389	VV	0.0000	
14	10.56		.381042	577497	BV	0.0000	
15	11.14		.653683	1830018	VV	0.0000	
16	13.10		.779088	2978901	PV	0.0000	
17	14.06		.708853	1313191	VV	0.0000	
18	15.28		.957866	3258152	VV	0.0000	
19	17.47		1.283272	2925243	VV	0.0000 1260	
20	19.90		1.734964	3059607	VV	0.0000 1260	
21	23.91		1.475610	5207522	VV	0.0000 1260	
22	28.39		1.723752	3960979	PV	0.0000 D8C	
23	31.46		2.455841	2361484	VV	0.0000	
24	37.45		1.927087	437648	PB	0.0000	

Total Area : 42049440   Total PPB : 0.000

Report Time : 1549 19Mar1997
Method : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44BQ_029.RES

GOS
3-31-97

IEA
An AquarionCompany

GAS CHROMATOGRAPHY

DIESEL RANGE ORGANICS (DRO)

INITIAL CALIBRATION FORMS

Sequence Name: S3AT05I   Column: DB-5   ID: 0.53 mm   Date Analyzed: 02/18/97

#2 FUEL OIL

-Datafile	Level	Conc.	Response	RF	Average RF	Std Dev	%RSD
D3AT05I_005	LEVEL 1	100 PPM	1936414	19364			
D3AT05I_006	LEVEL 2	250 PPM	5526257	22105			
D3AT05I_007	LEVEL 3	500 PPM	13758509	27517			
D3AT05I_008	LEVEL 4	1000 PPM	24160203	24160			
AT05I_009	LEVEL 5	2000 PPM	47227927	23614			
D3AT05I_010	LEVEL 6	5000 PPM	126554022	25311	23678	2783	11.8

SURROGATE #1 = O-TERPHENYL

Level	RT	Conc	Response	RF	Average RF	Std Dev	%RSD	Avg RT	RT Window
1	19.36	2.0	62027	31014					
2	19.37	5.0	129151	25830					
3	19.38	10	316574	31657					
4	19.38	20	543787	27189					
5	19.38	40	1039962	25999					
6	19.38	100	2551145	25511	27867	2754	9.9	19.38	19.32-19.42

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

DIESEL RANGE ORGANICS (DRO)

CONTINUING CALIBRATION VERIFICATION SUMMARY SHEET

Lab Name: __IEA__

Lab Sample Name: __#2 FUEL OIL 500 PPM__

Data File ID: __D3AT05E_002__   Sequence: __S3AT05E__

Date Analyzed: __03/25/97__   Time Analyzed: __1520__   Column: __DB-5__

Compound	RT	RT Window From	To	Response	RF	Ext. Conc	Nom. Conc	% RSD
2# Fuel Oil				12700118	23678	536	500	7.2
O-TERPHENYL	19.40	19.35	19.45	312918	27867	11.2	10	12.0

*Surrogate

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

DIESEL RANGE ORGANICS (DRO)

CONTINUING CALIBRATION VERIFICATION SUMMARY SHEET

Lab Name:__IEA

Lab Sample Name: __#2 FUEL OIL 500 PPM

Data File ID: __D3AT05F_003___   Sequence: __S3AT05F

Date Analyzed: 03/31/97___   Time Analyzed: __1531___   Column: __DB-5

Compound	RT	RT Window From	To	Response	RF	Ext. Conc	Nom. Conc	% RSD
2# Fuel Oil				10123477	23678	428	500	14.4
O-TERPHENYL	19.42	19.37	19.47	300383	27867	10.8	10	8.0

*Surrogate

IEA
An AquarionCompany

GAS CHROMATOGRAPHY

DIESEL RANGE ORGANICS (DRO)

CONTINUING CALIBRATION VERIFICATION SUMMARY SHEET

Lab Name: __IEA__

Lab Sample Name: __#2 FUEL OIL 1000 PPM__

Data File ID: __D3AT05F_015__   Sequence: __S3AT05F__

Date Analyzed: __04/01/97__   Time Analyzed: __0747__   Column: __DB-5__

Compound	RT	RT Window From	RT Window To	Response	RF	Ext. Conc	Nom. Conc	% RSD
2# Fuel Oil				23807174	23678	1005	1000	0.5
O-TERPHENYL	19.42	19.37	19.47	565881	27867	20.3	20	1.5

*Surrogate

IEA GC/FID Standard Report

DB 5

Sample Name	: #2 FUEL OIL 100 PPM	Report No : 75.01
Result File	: /DATA/LOOP/RESULT/D3AT05I 005.RES	
Column Type	: DB-5 30m 0.53mm ID	Ini. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 30.00 Mins. Injected on Tue Feb 18, 1997 12:43:34 pm
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05I.SEQ	
Subseq/Sample	: 1/ 5	Bottle no. : 5

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.75		0.000000	3314	PV	.1636	
2	5.26		0.000000	31182	BV	1.5394	
3	5.92		0.000000	3248	VV	.1604	
4	6.06		0.000000	6778	VV	.3346	
5	6.56		0.000000	7620	VV	.3762	
6	6.97		0.000000	1746	PV	.0862	
7	7.15		0.000000	5641	VV	.2785	
8	7.30		0.000000	2482	VV	.1225	
9	7.63		0.000000	4739	VV	.2340	
10	7.71		0.000000	5626	VV	.2777	
11	7.82		0.000000	5070	VV	.2503	
12	8.07		0.000000	6322	VV	.3121	
13	8.29		0.000000	26482	VV	1.3073	
14	8.50		0.000000	27185	VV	1.3421	1,3-DCB
15	8.66		0.000000	8126	VV	.4012	
16	8.77		0.000000	9080	VV	.4483	
17	8.88		0.000000	11845	VV	.5848	
18	9.22		0.000000	4796	VV	.2367	
19	9.32		0.000000	14106	VV	.6964	
20	9.43		0.000000	9056	VV	.4471	
21	9.63		0.000000	11611	VV	.5732	
22	9.76		0.000000	7370	VV	.3639	
23	9.88		0.000000	28020	VV	1.3833	
24	10.03		0.000000	7111	VV	.3511	
25	10.11		0.000000	7727	VV	.3815	
26	10.19		0.000000	10370	VV	.5120	
27	10.29		0.000000	9110	VV	.4498	
28	10.45		0.000000	18541	VV	.9153	
29	10.67		0.000000	15300	VV	.7553	
30	10.80		0.000000	20590	VV	1.0165	
31	10.91		0.000000	9415	VV	.4648	
32	10.98		0.000000	14213	VV	.7017	
33	11.20		0.000000	16083	VV	.7940	
34	11.32		0.000000	50963	VV	2.5159	
35	11.50		0.000000	24682	VV	1.2185	
36	11.76		0.000000	15766	VV	.7783	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	11.85		0.000000	9277	UU	.4580	
38	11.94		0.000000	14283	UU	.7051	
39	12.05		0.000000	10286	UU	.5078	
40	12.10		0.000000	7921	UU	.3910	
41	12.17		0.000000	16225	UU	.8010	
42	12.28		0.000000	31567	UU	1.5584	
43	12.41		0.000000	14209	UU	.7015	
44	12.64		0.000000	54974	UU	2.7139	
45	12.78		0.000000	20120	UU	.9933	
46	12.86		0.000000	34227	UU	1.6897	
47	13.07		0.000000	42725	UU	2.1092	
48	13.28		0.000000	28639	UU	1.4138	
49	13.43		0.000000	31019	UU	1.5313	
50	13.52		0.000000	8594	UU	.4243	
51	13.59		0.000000	40227	UU	1.9859	
52	13.79		0.000000	19497	UU	.9625	
53	13.87		0.000000	58825	UU	2.9040	
54	14.03		0.000000	44516	UU	2.1976	
55	14.22		0.000000	29036	UU	1.4335	
56	14.41		0.000000	34178	UU	1.6873	
57	14.45		0.000000	33254	UU	1.6417	
58	14.60		0.000000	53478	UU	2.6401	
59	14.69		0.000000	17339	UU	.8560	
60	14.90		0.000000	29039	UU	1.4336	
61	15.04		0.000000	64091	UU	3.1640	
62	15.16		0.000000	39270	UU	1.9386	
63	15.40		0.000000	31212	UU	1.5409	
64	15.63		0.000000	40029	UU	1.9762	
65	15.69		0.000000	34077	UU	1.6823	
66	15.81		0.000000	11484	UU	.5669	
67	15.88		0.000000	25889	UU	1.2781	
68	16.13		0.000000	68794	UU	3.3962	
69	16.21		0.000000	28307	UU	1.3974	
70	16.38		0.000000	20821	UU	1.0279	
71	16.51		0.000000	13345	FF	.6588	
72	16.64		0.000000	34422	UU	1.6993	
73	16.74		0.000000	11037	UU	.5449	
74	16.81		0.000000	14381	FF	.7099	
75	16.88		0.000000	10847	FF	.5355	
76	16.97		0.000000	7522	FF	.3713	
77	17.04		0.000000	9294	FF	.4588	
78	17.17		0.000000	35040	UU	1.7298	
79	17.22		0.000000	48523	UU	2.3954	
80	17.40		0.000000	14637	FF	.7226	
81	17.53		0.000000	7047	FF	.3479	
82	17.64		0.000000	24209	UU	1.1951	
83	17.81		0.000000	11783	FF	.5817	
84	17.88		0.000000	16006	UU	.7902	
85	18.00		0.000000	5799	FF	.2863	
86	18.15		0.000000	33342	UU	1.6460	
87	18.24		0.000000	30235	UU	1.4926	
88	18.51		0.000000	6946	FF	.3429	
89	18.58		0.000000	11507	FF	.5681	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	18.74		0.000000	10390	UU	.5129	
91	18.83		0.000000	5076	FF	.2506	
92	18.88		0.000000	5180	FF	.2557	
93	19.09		0.000000	32199	UU	1.5896	
94	19.21		0.000000	6976	FF	.3444	
95	19.36		0.000000	62027	UU	3.0621	o-Terphenyl
96	19.57		0.000000	4170	FF	.2059	
97	19.66		0.000000	6385	FF	.3152	
98	19.83		0.000000	9172	FF	.4528	
99	19.98		0.000000	18053	UU	.8912	
100	20.35		0.000000	3392	FF	.1675	
101	20.60		0.000000	1028	FF	.0508	
102	20.65		0.000000	1341	FF	.0662	
103	20.84		0.000000	5566	PV	.2748	

Total Area : 2025626   Total PPM : 100.000

Report Time : Thu Feb 20, 1997 5:39:38 pm
Method : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT051 005.RE

IEA GC/FID Standard Report

DB 5

Sample Name : #2 FUEL OIL 100 PPM   Ini on Tue Feb 18, 1997 12:43:34 pm
Result File : /DATA/LOOP/RESULT/D3AT05I 005.RES   INSTRUMENT : HP58
Column Type : DB-5 30m 0.53mm ID   Ini. Vol. : 1 ul

4.746
5.260
5.919
6.062
6.559
6.975
7.305
8.062
8.620
8.801
9.211
9.877
11.315
11.499
12.278
12.639
13.892
13.875
15.036
14.130
17.088
14.151
19.089
19.359
19.984
20.350
20.841

IEA GC/FID Standard Report

DB 5

Sample Name	: #2 FUEL OIL 250 PPM	Report No : 76.01	
Result File	: /DATA/LOOP/RESULT/D3AT051 006.RES		
Column Type	: DB-5 30m 0.53mm ID	Ini. Vol. : 1 ul	
Instrument	: HP58903A		
Calculation	: Zero		
Run Time	: 30.00 Mins. Injected on Tue Feb 18, 1997 1:33:53 pm		
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT051.SEQ		
Subseq/Sample	: 1/ 6	Bottle no. : 6	

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.75		0.000000	8854	UV	.1548	
2	5.27		0.000000	29031	PV	.5076	
3	5.39		0.000000	5780	UV	.1011	
4	5.45		0.000000	5482	UV	.0958	
5	5.72		0.000000	2067	UV	.0361	
6	5.92		0.000000	7047	UV	.1232	
7	6.07		0.000000	16401	UV	.2868	
8	6.38		0.000000	6715	UV	.1174	
9	6.56		0.000000	20159	UV	.3525	
10	6.73		0.000000	3974	UV	.0695	
11	6.98		0.000000	4751	UV	.0831	
12	7.16		0.000000	15582	UV	.2724	
13	7.31		0.000000	7054	UV	.1233	
14	7.54		0.000000	3035	UV	.0531	
15	7.64		0.000000	13039	UV	.2280	
16	7.71		0.000000	16300	UV	.2850	
17	7.83		0.000000	13256	UV	.2318	
18	7.90		0.000000	8999	UV	.1573	
19	8.07		0.000000	17287	UV	.3022	
20	8.29		0.000000	67889	UV	1.1870	
21	8.51		0.000000	64112	FF	1.1209	13-DCB
22	8.61		0.000000	10984	UV	.1920	
23	8.67		0.000000	20558	UV	.3594	
24	8.77		0.000000	23334	UV	.4080	
25	8.88		0.000000	13937	UV	.2437	
26	8.93		0.000000	10164	UV	.1777	
27	9.11		0.000000	9945	UV	.1739	
28	9.22		0.000000	15322	UV	.2679	
29	9.32		0.000000	38572	UV	.6744	
30	9.44		0.000000	24955	UV	.4363	
31	9.64		0.000000	32196	UV	.5629	
32	9.76		0.000000	20689	UV	.3617	
33	9.88		0.000000	83063	UV	1.4523	
34	10.03		0.000000	17283	UV	.3022	
35	10.12		0.000000	20864	UV	.3648	
36	10.19		0.000000	26959	UV	.4713	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	10.29		0.000000	22654	UU	.3961	
38	10.45		0.000000	48711	UU	.8517	
39	10.62		0.000000	17759	UU	.3105	
40	10.67		0.000000	20634	UU	.3608	
41	10.80		0.000000	55635	UU	.9727	
42	10.91		0.000000	23301	UU	.4074	
43	10.98		0.000000	27514	UU	.4810	
44	11.20		0.000000	40762	UU	.7127	
45	11.31		0.000000	124777	UU	2.1816	
46	11.41		0.000000	17359	UU	.3035	
47	11.50		0.000000	58946	UU	1.0306	
48	11.61		0.000000	28843	UU	.5043	
49	11.76		0.000000	38680	UU	.6763	
50	11.85		0.000000	22683	UU	.3966	
51	11.94		0.000000	36911	UU	.6454	
52	12.05		0.000000	25185	UU	.4403	
53	12.10		0.000000	22829	UU	.3992	
54	12.17		0.000000	39918	UU	.6979	
55	12.28		0.000000	80739	UU	1.4116	
56	12.41		0.000000	36536	UU	.6388	
57	12.51		0.000000	21811	UU	.3814	
58	12.64		0.000000	148582	UU	2.5978	
59	12.84		0.000000	139742	UU	2.4433	
60	13.07		0.000000	102610	UU	1.7940	
61	13.21		0.000000	16617	UU	.2905	
62	13.28		0.000000	55597	UU	.9720	
63	13.38		0.000000	25570	UU	.4471	
64	13.43		0.000000	50725	UU	.8869	
65	13.52		0.000000	23610	UU	.4128	
66	13.59		0.000000	97187	UU	1.6992	
67	13.79		0.000000	46940	UU	.8207	
68	13.87		0.000000	156969	UU	2.7444	
69	14.03		0.000000	102528	UU	1.7926	
70	14.22		0.000000	77766	UU	1.3597	
71	14.40		0.000000	86775	UU	1.5172	
72	14.45		0.000000	80779	UU	1.4123	
73	14.60		0.000000	137524	UU	2.4045	
74	14.70		0.000000	40250	UU	.7037	
75	14.79		0.000000	30843	UU	.5393	
76	14.91		0.000000	78886	UU	1.3792	
77	15.03		0.000000	160213	UU	2.8012	
78	15.15		0.000000	98294	UU	1.7186	
79	15.38		0.000000	79241	UU	1.3855	
80	15.63		0.000000	101302	UU	1.7712	
81	15.69		0.000000	88121	UU	1.5407	
82	15.82		0.000000	26215	UU	.4583	
83	15.88		0.000000	68006	UU	1.1890	
84	16.13		0.000000	189610	UU	3.3151	
85	16.22		0.000000	31338	UU	.5479	
86	16.28		0.000000	31164	UU	.5449	
87	16.38		0.000000	58177	UU	1.0172	
88	16.50		0.000000	42635	UU	.7454	
89	16.64		0.000000	93277	UU	1.6309	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	16.74		0.000000	31030	UV	.5425	
91	16.80		0.000000	39880	UV	.6973	
92	16.88		0.000000	34466	UV	.6026	
93	16.97		0.000000	22142	UV	.3871	
94	17.03		0.000000	33726	UV	.5897	
95	17.17		0.000000	111717	UV	1.9533	
96	17.22		0.000000	124469	UV	2.1762	
97	17.39		0.000000	28456	UV	.4975	
98	17.64		0.000000	95770	UV	1.6744	
99	17.80		0.000000	28624	UV	.5005	
100	17.88		0.000000	51994	UV	.9091	
101	18.15		0.000000	108478	UV	1.8966	
102	18.25		0.000000	92262	UV	1.6131	
103	18.49		0.000000	30232	UV	.5286	
104	18.56		0.000000	42259	UV	.7389	
105	18.74		0.000000	40104	UV	.7012	
106	18.83		0.000000	41136	UV	.7192	
107	19.09		0.000000	111965	UV	1.9576	
108	19.20		0.000000	31584	UV	.5522	
109	19.37		0.000000	129151	FF	2.2581	O-Terphenyl
110	19.46		0.000000	47643	UV	.8330	
111	19.55		0.000000	20008	UV	.3498	
	19.63		0.000000	31415	UV	.5493	
	19.82		0.000000	47334	UV	.8276	
114	19.98		0.000000	64137	UV	1.1214	
115	20.33		0.000000	32820	UV	.5738	
116	20.63		0.000000	24296	UV	.4248	
117	20.84		0.000000	44905	UV	.7851	
118	20.99		0.000000	48432	FF	.8468	
119	21.66		0.000000	18381	UV	.3214	
120	21.83		0.000000	18706	FF	.3271	
121	22.45		0.000000	7072	VB	.1236	

Total Area   :   5719520   Total PPM   :   100.000

Report Time   : Thu Feb 20, 1997 5:41:46 pm
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05I 006.RE

IEA GC/FID Standard Report

DB 5
Sample Name   : #2 FUEL OIL 250 PPM   Inj on Tue Feb 18, 1997 1:33:53 pm
Result File   : /DATA/LOOP/RESULT/D3AT05I 006.RES   INSTRUMENT : HP58
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.752
5.265
5.724
5.924
6.067
6.383
6.752
6.981
7.359
7.550
7.088
8.292
8.606
8.023
9.423
9.620
9.876
10.078
10.623
10.799
10.916
11.314
11.501
11.804
12.280
12.638
12.837
13.070
13.595
13.874
14.031
14.218
14.604
14.594
15.035
16.129
16.640
17.226
17.388
17.640
18.151
18.246
19.088
19.203
19.981
20.333
20.635
20.992
20.835
21.657
21.853
22.448
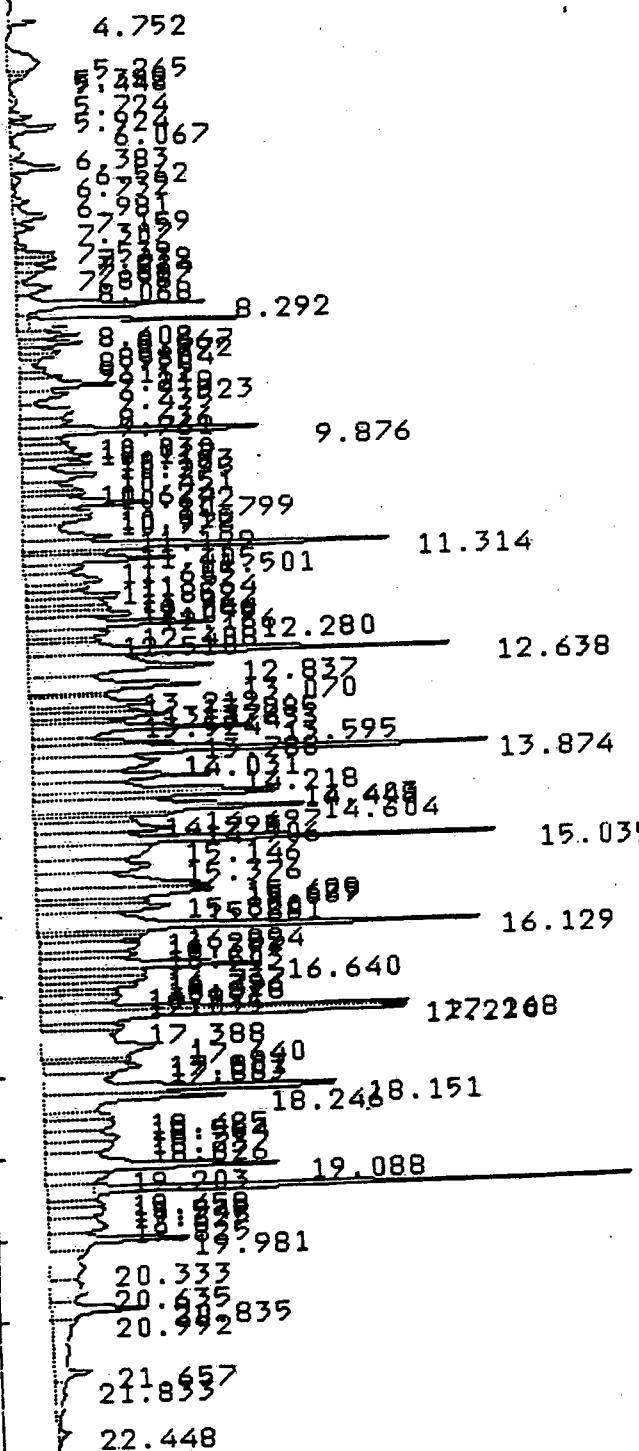
IEA GC/FID Standard Report

DB 5
Sample Name   : #2 FUEL OIL 500 PPM   Report No : 77.01
Result File   : /DATA/LOOP/RESULT/D3AT05I 007.RES
Column Type   : DB-5 30m 0.53mm ID   Ini. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 30.00 Mins.   Injected on Tue Feb 18, 1997 2:14:32 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S3AT051.SEQ
Subseq/Sample   : 1/ 7   Bottle no. : 7

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                    EndOffBaseline
                    SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.75		0.000000	20796	UV	.1460	
2	4.88		0.000000	2787	UV	.0196	
3	5.26		0.000000	31026	PV	.2178	
4	5.39		0.000000	14877	UV	.1044	
5	5.45		0.000000	13082	UV	.0918	
6	5.72		0.000000	4937	UV	.0347	
7	5.77		0.000000	5479	UV	.0385	
8	5.92		0.000000	17432	UV	.1224	
9	6.06		0.000000	40474	UV	.2841	
10	6.38		0.000000	18590	UV	.1305	
11	6.56		0.000000	52155	UV	.3661	
12	6.73		0.000000	11576	UV	.0813	
13	6.88		0.000000	3499	UV	.0246	
14	6.98		0.000000	13567	UV	.0952	
15	7.16		0.000000	41487	UV	.2912	
16	7.31		0.000000	20210	UV	.1419	
17	7.54		0.000000	9120	UV	.0640	
18	7.64		0.000000	33716	UV	.2367	
19	7.71		0.000000	43620	UV	.3062	
20	7.82		0.000000	32642	UV	.2291	
21	7.90		0.000000	22861	UV	.1605	
22	8.07		0.000000	44792	UV	.3144	
23	8.29		0.000000	166958	UV	1.1720	
24	8.50		0.000000	170819	FF	1.1991	1,3-DCB
25	8.60		0.000000	22516	UV	.1581	
26	8.67		0.000000	49787	UV	.3495	
27	8.77		0.000000	56250	UV	.3949	
28	8.88		0.000000	33104	UV	.2324	
29	8.93		0.000000	25480	UV	.1789	
30	9.11		0.000000	24226	UV	.1701	
31	9.21		0.000000	41818	UV	.2935	
32	9.32		0.000000	96013	UV	.6740	
33	9.43		0.000000	61766	UV	.4336	
34	9.64		0.000000	80556	UV	.5655	
35	9.76		0.000000	52337	UV	.3674	
36	9.87		0.000000	212099	UV	1.4888	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	10.03		0.000000	40240	UU	.2825	
38	10.12		0.000000	51622	UU	.3624	
39	10.19		0.000000	64781	UU	.4547	
40	10.29		0.000000	54271	UU	.3810	
41	10.45		0.000000	117826	UU	.8271	
42	10.62		0.000000	43097	UU	.3025	
43	10.67		0.000000	51038	UU	.3583	
44	10.80		0.000000	137152	UU	.9627	
45	10.91		0.000000	56587	UU	.3972	
46	10.97		0.000000	65325	UU	.4586	
47	11.07		0.000000	28169	UU	.1977	
48	11.20		0.000000	98176	UU	.6892	
49	11.31		0.000000	308526	UU	2.1657	
50	11.41		0.000000	43187	UU	.3032	
51	11.50		0.000000	137222	UU	.9632	
52	11.60		0.000000	69292	UU	.4864	
53	11.76		0.000000	91931	UU	.6453	
54	11.85		0.000000	53587	UU	.3762	
55	11.94		0.000000	88870	UU	.6238	
56	12.04		0.000000	62067	UU	.4357	
57	12.10		0.000000	56319	UU	.3953	
58	12.16		0.000000	94648	UU	.6644	
59	12.28		0.000000	194216	UU	1.3633	
60	12.41		0.000000	87758	UU	.6160	
61	12.51		0.000000	50903	UU	.3573	
62	12.64		0.000000	363035	UU	2.5483	
63	12.83		0.000000	333478	UU	2.3409	
64	13.07		0.000000	242148	UU	1.6998	
65	13.21		0.000000	36833	UU	.2586	
66	13.28		0.000000	131836	UU	.9254	
67	13.38		0.000000	61029	UU	.4284	
68	13.43		0.000000	120840	UU	.8482	
69	13.59		0.000000	286875	UU	2.0137	
70	13.79		0.000000	110109	UU	.7729	
71	13.87		0.000000	379164	UU	2.6616	
72	14.03		0.000000	237131	UU	1.6646	
73	14.21		0.000000	192942	UU	1.3544	
74	14.40		0.000000	207442	UU	1.4562	
75	14.45		0.000000	186832	UU	1.3115	
76	14.61		0.000000	325764	UU	2.2867	
77	14.70		0.000000	93944	UU	.6594	
78	14.79		0.000000	65158	UU	.4574	
79	14.84		0.000000	65734	UU	.4614	
80	14.91		0.000000	122281	UU	.8584	
81	15.03		0.000000	377753	UU	2.6517	
82	15.14		0.000000	73050	UU	.5128	
83	15.19		0.000000	67477	UU	.4737	
84	15.24		0.000000	96122	UU	.6747	
85	15.37		0.000000	190734	UU	1.3389	
86	15.63		0.000000	240346	UU	1.6871	
87	15.69		0.000000	210921	UU	1.4806	
88	15.82		0.000000	61350	UU	.4307	
89	15.88		0.000000	164001	UU	1.1512	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	16.13		0.000000	458765	UV	3.2203	
91	16.23		0.000000	72613	UV	.5097	
92	16.28		0.000000	76129	UV	.5344	
93	16.37		0.000000	71710	UV	.5034	
94	16.41		0.000000	73555	UV	.5163	
95	16.50		0.000000	108936	UV	.7647	
96	16.64		0.000000	224927	UV	1.5789	
97	16.73		0.000000	76031	UV	.5337	
98	16.80		0.000000	93673	UV	.6575	
99	16.88		0.000000	90056	UV	.6322	
100	16.98		0.000000	61933	UV	.4347	
101	17.03		0.000000	75892	UV	.5327	
102	17.17		0.000000	290279	UV	2.0376	
103	17.22		0.000000	291501	UV	2.0462	
104	17.39		0.000000	66528	UV	.4670	
105	17.44		0.000000	57671	UV	.4048	
106	17.54		0.000000	60058	UV	.4216	
107	17.64		0.000000	198497	UV	1.3934	
108	17.74		0.000000	42394	UV	.2976	
109	17.80		0.000000	71816	UV	.5041	
110	17.88		0.000000	134554	UV	.9445	
111	18.15		0.000000	278847	UV	1.9574	
112	18.25		0.000000	224625	UV	1.5768	
113	18.47		0.000000	82287	UV	.5776	
114	18.56		0.000000	110479	UV	.7755	
115	18.74		0.000000	109262	UV	.7670	
116	18.83		0.000000	54643	UV	.3836	
117	18.87		0.000000	52958	UV	.3717	
118	19.09		0.000000	291496	UV	2.0462	
119	19.21		0.000000	86841	UV	.6096	
120	19.38		0.000000	316574	FF	2.2222	O-Terphenyl
121	19.43		0.000000	79308	UV	.5567	
122	19.46		0.000000	40959	UV	.2875	
123	19.54		0.000000	54546	UV	.3829	
124	19.61		0.000000	91997	UV	.6458	
125	19.83		0.000000	126347	UV	.8869	
126	19.98		0.000000	175320	UV	1.2307	
127	20.13		0.000000	67297	UV	.4724	
128	20.33		0.000000	86005	UV	.6037	
129	20.53		0.000000	46746	UV	.3281	
130	20.63		0.000000	75903	UV	.5328	
131	20.83		0.000000	135692	UV	.9525	
132	21.65		0.000000	76884	UV	.5397	
133	21.94		0.000000	32168	UV	.2258	
134	22.43		0.000000	50983	UV	.3579	
135	23.19		0.000000	13688	UV	.0961	
136	23.92		0.000000	2930	BV	.0206	

Total Area : 14245902   Total PPM : 100.000

Report Time : Thu Feb 20, 1997 5:44:17 pm
Method : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05I 007.RE

IEA GC/FID Standard Report

DB 5
Sample Name : #2 FUEL OIL 500 PPM   Ini on Tue Feb 18, 1997 2:14:32 pm
Result File : /DATA/LOOP/RESULT/D3AT05I 007.RES   INSTRUMENT : HP58
Column Type : DB-5 30m 0.53mm ID   Ini. Vol. : 1 ul

IEA GC/FID Standard Report

DB 5
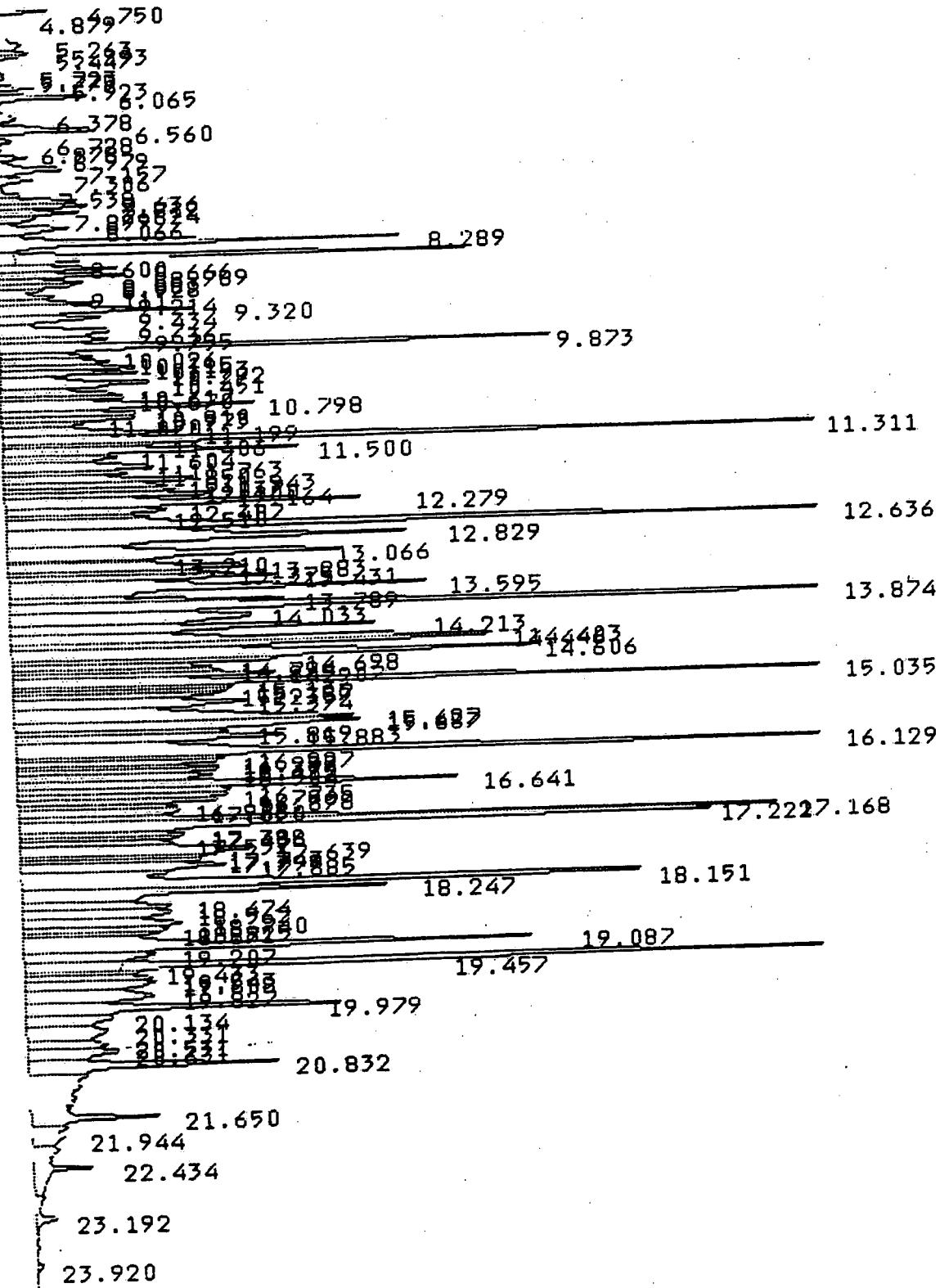
Sample Name	: #2 FUEL OIL 1000 PPM	Report No	: 78.01
Result File	: /DATA/LOOP/RESULT/D3AT05I 008.RES		
Column Type	: DB-5 30m 0.53mm ID	Ini. Vol.	: 1 ul
Instrument	: HP58903A		
Calculation	: Zero		
Run Time	: 30.00 Mins. Injected on Tue Feb 18, 1997 2:54:25 pm		
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05I.SEQ		
Subseq/Sample	: 1/ 8	Bottle no.	: 8

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.56		0.000000	2515	BV	.0101	
2	4.62		0.000000	3919	VV	.0157	
3	4.75		0.000000	36764	VV	.1470	
4	4.88		0.000000	4918	VV	.0197	
5	5.16		0.000000	10139	PV	.0405	
6	5.26		0.000000	23071	VV	.0923	
7	5.39		0.000000	32042	VV	.0928	
8	5.44		0.000000	23219	VV	.0928	
9	5.65		0.000000	3409	VV	.0136	
10	5.72		0.000000	8981	VV	.0359	
11	5.77		0.000000	10464	VV	.0418	
12	5.92		0.000000	30801	VV	.1232	
13	6.06		0.000000	72741	VV	.2909	
14	6.38		0.000000	32921	VV	.1316	
15	6.56		0.000000	95224	VV	.3808	
16	6.73		0.000000	21702	VV	.0868	
17	6.88		0.000000	7353	VV	.0294	
18	6.98		0.000000	25340	VV	.1013	
19	7.16		0.000000	75707	VV	.3027	
20	7.30		0.000000	37095	VV	.1483	
21	7.46		0.000000	6010	VV	.0240	
22	7.54		0.000000	17124	VV	.0685	
23	7.64		0.000000	60119	VV	.2404	
24	7.71		0.000000	80316	VV	.3212	
25	7.82		0.000000	57103	VV	.2283	
26	7.90		0.000000	41004	VV	.1640	
27	8.06		0.000000	80614	VV	.3224	
28	8.29		0.000000	295960	VV	1.1835	
29	8.50		0.000000	303954	FF	1.2154	
30	8.59		0.000000	39016	VV	.1560	
31	8.66		0.000000	87537	VV	.3500	
32	8.77		0.000000	97538	VV	.3900	
33	8.88		0.000000	57402	VV	.2295	
34	8.93		0.000000	45160	VV	.1806	
35	9.00		0.000000	31676	VV	.1267	
36	9.11		0.000000	41811	VV	.1672	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	9.21		0.000000	76194	UU	.3047	
38	9.32		0.000000	169437	UU	.6775	
39	9.43		0.000000	108204	UU	.4327	
40	9.63		0.000000	112573	UU	.4501	
41	9.70		0.000000	27157	UU	.1086	
42	9.75		0.000000	93399	UU	.3735	
43	9.87		0.000000	376034	UU	1.5037	
44	10.02		0.000000	68822	UU	.2752	
45	10.11		0.000000	90074	UU	.3602	
46	10.19		0.000000	112377	UU	.4494	
47	10.29		0.000000	93472	UU	.3738	
48	10.45		0.000000	204114	UU	.8162	
49	10.61		0.000000	75051	UU	.3001	
50	10.67		0.000000	87463	UU	.3497	
51	10.79		0.000000	238583	UU	.9540	
52	10.91		0.000000	99214	UU	.3967	
53	10.97		0.000000	111332	UU	.4452	
54	11.07		0.000000	49497	UU	.1979	
55	11.20		0.000000	169704	UU	.6786	
56	11.31		0.000000	541622	UU	2.1658	
57	11.40		0.000000	75981	UU	.3038	
58	11.50		0.000000	233316	UU	.9330	
59	11.60		0.000000	116450	UU	.4657	
60	11.76		0.000000	158359	UU	.6332	
61	11.85		0.000000	91691	UU	.3666	
62	11.94		0.000000	153133	UU	.6123	
63	12.03		0.000000	103125	UU	.4124	
64	12.10		0.000000	104887	UU	.4194	
65	12.16		0.000000	160158	UU	.6404	
66	12.28		0.000000	336039	UU	1.3437	
67	12.40		0.000000	150902	UU	.6034	
68	12.51		0.000000	87207	UU	.3487	
69	12.63		0.000000	632870	UU	2.5307	
70	12.82		0.000000	572097	UU	2.2877	
71	13.06		0.000000	409881	UU	1.6390	
72	13.28		0.000000	288541	UU	1.1538	
73	13.43		0.000000	312883	UU	1.2511	
74	13.52		0.000000	100323	UU	.4012	
75	13.59		0.000000	387995	UU	1.5515	
76	13.79		0.000000	187817	UU	.7510	
77	13.87		0.000000	654755	UU	2.6182	
78	14.04		0.000000	187091	UU	.7481	
79	14.07		0.000000	218366	UU	.8732	
80	14.21		0.000000	332497	UU	1.3296	
81	14.40		0.000000	358884	UU	1.4351	
82	14.44		0.000000	320793	UU	1.2828	
83	14.60		0.000000	556590	UU	2.2257	
84	14.70		0.000000	160109	UU	.6402	
85	14.84		0.000000	228073	UU	.9120	
86	14.91		0.000000	197538	UU	.7899	
87	15.03		0.000000	646571	UU	2.5855	
88	15.13		0.000000	132333	UU	.5292	
89	15.19		0.000000	111213	UU	.4447	

IEA GC/FID Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.23		0.000000	167697	UU	.6706	
91	15.37		0.000000	319694	UU	1.2784	
92	15.63		0.000000	410980	UU	1.6434	
93	15.68		0.000000	363433	UU	1.4533	
94	15.82		0.000000	103040	UU	.4120	
95	15.88		0.000000	279480	UU	1.1176	
96	16.13		0.000000	795886	UU	3.1825	
97	16.23		0.000000	127477	UU	.5097	
98	16.28		0.000000	123063	UU	.4921	
99	16.37		0.000000	124594	UU	.4982	
100	16.41		0.000000	126008	UU	.5039	
101	16.50		0.000000	188906	UU	.7554	
102	16.64		0.000000	386301	UU	1.5447	
103	16.73		0.000000	130847	UU	.5232	
104	16.79		0.000000	155021	UU	.6199	
105	16.88		0.000000	163167	UU	.6525	
106	16.98		0.000000	105329	UU	.4212	
107	17.03		0.000000	130299	UU	.5210	
108	17.17		0.000000	512984	UU	2.0513	
109	17.22		0.000000	497025	UU	1.9875	
110	17.39		0.000000	114729	UU	.4588	
111	17.43		0.000000	100782	UU	.4030	
112	17.54		0.000000	108114	UU	.4323	
113	17.64		0.000000	246893	UU	.9873	
114	17.69		0.000000	92020	UU	.3680	
115	17.74		0.000000	77301	UU	.3091	
116	17.80		0.000000	122796	UU	.4910	
117	17.88		0.000000	230899	UU	.9233	
118	17.99		0.000000	105093	UU	.4202	
119	18.15		0.000000	496734	UU	1.9863	
120	18.25		0.000000	299913	UU	1.1993	
121	18.47		0.000000	142610	UU	.5703	
122	18.56		0.000000	194050	UU	.7760	
123	18.74		0.000000	194573	UU	.7780	
124	18.82		0.000000	184964	UU	.7396	
125	19.08		0.000000	512048	UU	2.0475	
126	19.21		0.000000	152847	UU	.6112	
127	19.30		0.000000	135960	UU	.5437	
128	19.38		0.000000	543787	FF	2.1745	
129	19.45		0.000000	71544	UU	.2861	
130	19.54		0.000000	96068	UU	.3841	
131	19.60		0.000000	85069	UU	.3402	
132	19.65		0.000000	78558	UU	.3141	
133	19.83		0.000000	222109	UU	.8882	
134	19.98		0.000000	314137	UU	1.2561	
135	20.14		0.000000	115891	UU	.4634	
136	20.33		0.000000	149584	UU	.5981	
137	20.53		0.000000	85732	UU	.3428	
138	20.63		0.000000	108457	UU	.4337	
139	20.83		0.000000	249746	UU	.9987	
140	21.10		0.000000	35079	UU	.1403	
141	21.16		0.000000	73322	UU	.2932	
142	21.34		0.000000	44425	UU	.1776	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
143	21.42		0.000000	37618	UV	.1504	
144	21.50		0.000000	31000	UV	.1240	
145	21.65		0.000000	144186	UV	.5766	
146	21.81		0.000000	33625	UV	.1345	
147	21.95		0.000000	59215	UV	.2368	
148	22.14		0.000000	26726	UV	.1069	
149	22.43		0.000000	70290	UV	.2811	
150	23.18		0.000000	22117	UV	.0884	
151	23.91		0.000000	9766	BV	.0391	
152	24.61		0.000000	2868	PV	.0115	

Total Area   :   25007944   Total PPM   :   100.000

Report Time : Thu Feb 20, 1997 5:47:03 pm
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05I 008.RE

IEA GC/FID Standard Report

5

Sample Name : #2 FUEL OIL 1000 PPM   Inj on Tue Feb 18, 1997 2:54:25 pm
Result File : /DATA/LOOP/RESULT/D3AT05I 008.RES   INSTRUMENT : HP58
Column Type : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.588
4.877 4.748
5.169
5.242
5.659
5.921 6.063
6.379
6.558
6.737
6.877 6.927
7.304 156
7.635 210
7.899 8.063
8.286
8.592 7664
9.099 510
9.231
9.318
9.633
9.870
10.024 101
10.848
10.161
10.794
11.067 10.986
11.197
11.498
11.309
11.404
11.602
11.761 941
12.162
12.277
12.403 12.1
12.635
12.824
13.062
13.281 13.429
13.593
13.922
13.787
13.872
14.0 866
14.209
14.488
14.804
14.686
14.285
15.033
15.21
15.369
15.605
15.61 15.880
16.127
16.640
16.793 16.094
17.266
17.186
17.636
18.246
18.149
18.465
18.242
19.085
19.202
19.375
19.977
20.137
20.331
20.529 287
20.831
21.097
21.647
21.813
22.144
22.430
23.184
23.909
24.611

IEA GC/FID Standard Report

DB 5
Sample Name   : #2 FUEL OIL 2000 PPM   Report No : 79.01
Result File   : /DATA/LOOP/RESULT/D3AT05I 009.RES
Column Type   : DB-5   30m 0.53mm ID   Ini. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 30.00 Mins.   Injected on Tue Feb 18, 1997 3:34:37 pm
Sequence File : /DATA/LOOP/SEQUENCE/S3AT05I.SEQ
Subseq/Sample : 1/ 9   Bottle no. : 9

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.57		0.000000	5185	BV	.0106	
2	4.63		0.000000	7720	UV	.0158	
3	4.75		0.000000	71621	UV	.1465	
4	4.88		0.000000	9486	UV	.0194	
5	5.16		0.000000	15366	PV	.0314	
6	5.26		0.000000	34363	UV	.0703	
7	5.40		0.000000	59951	UV	.1227	
8	5.45		0.000000	44932	UV	.0919	
9	5.66		0.000000	6465	UV	.0132	
10	5.72		0.000000	17502	UV	.0358	
11	5.78		0.000000	20301	UV	.0415	
12	5.92		0.000000	60743	UV	.1243	
13	6.07		0.000000	142004	UV	.2905	
14	6.38		0.000000	64788	UV	.1326	
15	6.56		0.000000	188166	UV	.3850	
16	6.73		0.000000	42713	UV	.0874	
17	6.88		0.000000	15065	UV	.0308	
18	6.98		0.000000	50602	UV	.1035	
19	7.16		0.000000	149548	UV	.3060	
20	7.31		0.000000	74590	UV	.1526	
21	7.46		0.000000	12658	UV	.0259	
22	7.54		0.000000	35083	UV	.0718	
23	7.64		0.000000	119208	UV	.2439	
24	7.71		0.000000	159588	UV	.3265	
25	7.83		0.000000	111455	UV	.2280	
26	7.90		0.000000	79893	UV	.1635	
27	8.07		0.000000	159727	UV	.3268	
28	8.29		0.000000	576145	UV	1.1788	
29	8.51		0.000000	607975	FF	1.2439	
30	8.60		0.000000	69806	UV	.1428	
31	8.67		0.000000	168932	UV	.3456	
32	8.77		0.000000	188870	UV	.3864	
33	8.89		0.000000	111291	UV	.2277	
34	8.93		0.000000	85627	UV	.1752	
35	9.01		0.000000	62086	UV	.1270	
36	9.12		0.000000	81769	UV	.1673	

IEA GC/FID Standard Report

5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	9.22		0.000000	151831	UU	.3106	
38	9.32		0.000000	329938	UU	.6751	
39	9.44		0.000000	208217	UU	.4260	
40	9.64		0.000000	217740	UU	.4455	
41	9.71		0.000000	59066	UU	.1208	
42	9.76		0.000000	182389	UU	.3732	
43	9.88		0.000000	733642	UU	1.5010	
44	10.03		0.000000	132795	UU	.2717	
45	10.12		0.000000	176647	UU	.3614	
46	10.20		0.000000	217943	UU	.4459	
47	10.30		0.000000	180287	UU	.3689	
48	10.46		0.000000	397013	UU	.8123	
49	10.62		0.000000	148826	UU	.3045	
50	10.67		0.000000	167955	UU	.3436	
51	10.80		0.000000	464428	UU	.9502	
52	10.91		0.000000	185937	UU	.3804	
53	10.97		0.000000	221511	UU	.4532	
54	11.07		0.000000	97597	UU	.1997	
55	11.20		0.000000	329302	UU	.6738	
56	11.32		0.000000	1054231	UU	2.1570	
57	11.41		0.000000	145053	UU	.2968	
58	11.50		0.000000	445012	UU	.9105	
59	11.61		0.000000	223108	UU	.4565	
60	11.77		0.000000	306474	UU	.6270	
61	11.85		0.000000	176882	UU	.3619	
62	11.95		0.000000	300473	UU	.6148	
63	12.04		0.000000	194255	UU	.3974	
64	12.10		0.000000	207108	UU	.4237	
65	12.17		0.000000	307397	UU	.6289	
66	12.28		0.000000	642840	UU	1.3153	
67	12.41		0.000000	294327	UU	.6022	
68	12.52		0.000000	163334	UU	.3342	
69	12.64		0.000000	1220582	UU	2.4973	
70	12.83		0.000000	1105574	UU	2.2620	
71	13.07		0.000000	788106	UU	1.6125	
72	13.21		0.000000	118177	UU	.2418	
73	13.29		0.000000	432075	UU	.8840	
74	13.38		0.000000	201662	UU	.4126	
75	13.44		0.000000	400359	UU	.8191	
76	13.53		0.000000	193986	UU	.3969	
77	13.60		0.000000	739534	UU	1.5131	
78	13.79		0.000000	363131	UU	.7430	
79	13.88		0.000000	1261157	UU	2.5803	
80	14.07		0.000000	763726	UU	1.5626	
81	14.21		0.000000	641427	UU	1.3124	
82	14.41		0.000000	688412	UU	1.4085	
83	14.45		0.000000	617251	UU	1.2629	
84	14.61		0.000000	1062774	UU	2.1744	
85	14.70		0.000000	304257	UU	.6225	
86	14.85		0.000000	441732	UU	.9038	
87	14.91		0.000000	375170	UU	.7676	
88	15.04		0.000000	1229521	UU	2.5156	
89	15.14		0.000000	251875	UU	.5153	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.19		0.000000	213431	UU	.4367	
91	15.24		0.000000	327351	UU	.6698	
92	15.37		0.000000	411855	UU	.8427	
93	15.43		0.000000	199630	UU	.4084	
94	15.63		0.000000	787873	UU	1.6120	
95	15.69		0.000000	699205	UU	1.4306	
96	15.82		0.000000	197275	UU	.4036	
97	15.89		0.000000	537772	UU	1.1003	
98	16.13		0.000000	1527344	UU	3.1249	
99	16.24		0.000000	219872	UU	.4499	
100	16.28		0.000000	248656	UU	.5087	
101	16.38		0.000000	225844	UU	.4621	
102	16.41		0.000000	256140	UU	.5241	
103	16.51		0.000000	375804	UU	.7689	
104	16.65		0.000000	736030	UU	1.5059	
105	16.74		0.000000	256303	UU	.5244	
106	16.80		0.000000	289229	UU	.5918	
107	16.88		0.000000	324701	UU	.6643	
108	16.98		0.000000	223806	UU	.4579	
109	17.03		0.000000	230648	UU	.4719	
110	17.17		0.000000	1000508	UU	2.0470	
111	17.23		0.000000	941963	UU	1.9273	
112	17.39		0.000000	217604	UU	.4452	
113	17.44		0.000000	203888	UU	.4172	
114	17.54		0.000000	220227	UU	.4506	
115	17.64		0.000000	654487	UU	1.3391	
116	17.75		0.000000	144654	UU	.2960	
117	17.80		0.000000	242728	UU	.4966	
118	17.89		0.000000	457733	UU	.9365	
119	18.00		0.000000	205726	UU	.4209	
120	18.15		0.000000	959193	UU	1.9625	
121	18.25		0.000000	565271	UU	1.1565	
122	18.36		0.000000	169921	UU	.3477	
123	18.46		0.000000	286776	UU	.5867	
124	18.57		0.000000	382730	UU	.7831	
125	18.75		0.000000	387011	UU	.7918	
126	18.83		0.000000	355237	UU	.7268	
127	19.09		0.000000	1003238	UU	2.0526	
128	19.21		0.000000	309960	UU	.6342	
129	19.38		0.000000	1039962	FF	2.1278	
130	19.43		0.000000	274745	UU	.5621	
131	19.46		0.000000	137459	UU	.2812	
132	19.54		0.000000	187855	UU	.3844	
133	19.60		0.000000	335882	UU	.6872	
134	19.83		0.000000	436628	UU	.8933	
135	19.98		0.000000	637034	UU	1.3034	
136	20.14		0.000000	227448	UU	.4654	
137	20.33		0.000000	325347	UU	.6657	
138	20.53		0.000000	152176	UU	.3114	
139	20.63		0.000000	219362	UU	.4488	
140	20.83		0.000000	503739	UU	1.0307	
141	21.10		0.000000	72186	UU	.1477	
142	21.16		0.000000	155207	UU	.3176	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
143	21.34		0.000000	99882	UU	.2044	
144	21.42		0.000000	80263	UU	.1642	
145	21.51		0.000000	62234	UU	.1273	
146	21.65		0.000000	310076	UU	.6344	
147	21.81		0.000000	74780	UU	.1530	
148	21.95		0.000000	136907	UU	.2801	
149	22.15		0.000000	60954	UU	.1247	
150	22.22		0.000000	41920	UU	.0858	
151	22.32		0.000000	34058	UU	.0697	
152	22.43		0.000000	130406	UU	.2668	
153	22.90		0.000000	29129	UU	.0596	
154	23.18		0.000000	66375	UU	.1358	
155	23.64		0.000000	8795	UB	.0180	
156	23.91		0.000000	22830	BV	.0467	
157	24.61		0.000000	8768	PV	.0179	
158	24.83		0.000000	30573	UB	.0626	

Total Area   :   48875864   Total PPM   :   100.000

Report Time   : Thu Feb 20, 1997 5:49:59 pm
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05I 009.RE

IEA GC/FID Standard Report

DB 5
Sample Name   : #2 FUEL OIL 2000 PPM   Inj on Tue Feb 18, 1997 3:34:37 pm
Result File   : /DATA/LOOP/RESULT/D3AT05I 009.RES   INSTRUMENT : HP58
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.566
4.751
4.881
5.168
5.266 5.485
5.659
5.925 5.925
6.066
6.383
6.562
6.732
6.882 6.983
7.160
7.309
7.462 7.545 7.661 7.714
7.903
8.068
8.292
8.680 8.869 8.972
9.805 16 889 986
9.215
9.324
9.438
9.708 9.638 7
9.876
10.031 200 198
10.456 296
10.638
10.801
10.922
11.073
11.203
11.315 11.505
11.411
11.610
11.685 11.767
12.035 11.947
12.162
12.409
12.513
13.212
13.520 13.379
14.046
15.125 943
15.374
15.433
15.625 15.800
16.134
16.646
17.172
17.639
17.600 17.880
18.255
18.359
18.465
18.749
19.090
19.457
19.211
19.564
19.833
19.982
20.142
20.333
20.561 628
20.834
21.081
21.649
21.815
22.147
22.324
22.432
22.904
23.184
23.636
23.907
24.606
24.831

IEA GC/FID Standard Report

DB 5

Sample Name : #2 FUEL OIL 5000 PPM   Report No : 80.01
Result File : /DATA/LOOP/RESULT/D3AT05I 010.RES
Column Type : DB-5 30m 0.53mm ID   Ini. Vol. : 1 ul
Instrument : HP58903A
Calculation : Zero
Run Time : 30.02 Mins.   Injected on Tue Feb 18, 1997 4:15:12 pm
Sequence File : /DATA/LOOP/SEQUENCE/S3AT05I.SEQ
Subseq/Sample : 1/ 10   Bottle no. : 10

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.57		0.000000	13184	BV	.0101	
2	4.63		0.000000	19485	VV	.0149	
3	4.75		0.000000	183231	VV	.1402	
4	4.88		0.000000	23724	VV	.0182	
5	5.07		0.000000	1497	PV	.0011	
6	5.16		0.000000	14897	VV	.0114	
7	5.26		0.000000	53441	VV	.0409	
8	5.40		0.000000	140490	VV	.1075	
9	5.45		0.000000	114505	VV	.0876	
10	5.66		0.000000	17576	VV	.0135	
11	5.73		0.000000	46548	VV	.0356	
12	5.78		0.000000	54723	VV	.0419	
13	5.92		0.000000	160272	VV	.1226	
14	6.07		0.000000	371315	VV	.2841	
15	6.23		0.000000	8606	VV	.0066	
16	6.38		0.000000	172915	VV	.1323	
17	6.56		0.000000	497310	VV	.3806	
18	6.73		0.000000	116050	VV	.0888	
19	6.88		0.000000	44406	VV	.0340	
20	6.98		0.000000	137231	VV	.1050	
21	7.09		0.000000	50676	VV	.0388	
22	7.16		0.000000	346635	VV	.2653	
23	7.31		0.000000	202973	VV	.1553	
24	7.46		0.000000	37756	VV	.0289	
25	7.54		0.000000	96491	VV	.0738	
26	7.64		0.000000	309732	VV	.2370	
27	7.71		0.000000	427593	VV	.3272	
28	7.83		0.000000	289670	VV	.2217	
29	7.90		0.000000	211271	VV	.1617	
30	8.07		0.000000	427317	VV	.3270	
31	8.29		0.000000	1481880	VV	1.1340	
32	8.42		0.000000	163704	HS	.1253	
33	8.50		0.000000	1571617	FF	1.2027	
34	8.67		0.000000	424776	HS	.3251	
35	8.77		0.000000	500884	HS	.3833	
36	8.89		0.000000	283313	HS	.2168	

IEA GC/FID Standard Report

DB 5

Pk	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	8.93		0.000000	226570	HS	.1734	
38	9.00		0.000000	159030	HS	.1217	
39	9.12		0.000000	197752	HS	.1513	
40	9.21		0.000000	421825	HS	.3228	
41	9.32		0.000000	852047	HS	.6520	
42	9.44		0.000000	541258	HS	.4142	
43	9.64		0.000000	570904	HS	.4369	
44	9.75		0.000000	636156	HS	.4868	
45	9.88		0.000000	1879678	HS	1.4384	
46	10.03		0.000000	362448	HS	.2774	
47	10.12		0.000000	440299	HS	.3369	
48	10.20		0.000000	565429	HS	.4327	
49	10.29		0.000000	474709	HS	.3633	
50	10.45		0.000000	1040061	HS	.7959	
51	10.62		0.000000	363242	HS	.2780	
52	10.67		0.000000	439994	HS	.3367	
53	10.80		0.000000	1241382	HS	.9500	
54	10.91		0.000000	466665	HS	.3571	
55	10.97		0.000000	580320	HS	.4441	
56	11.07		0.000000	261651	HS	.2002	
57	11.20		0.000000	852883	HS	.6527	
58	11.32		0.000000	2719431	HS	2.0810	
59	11.41		0.000000	360242	HS	.2757	
60	11.51		0.000000	1161301	HS	.8887	
61	11.61		0.000000	584298	HS	.4471	
62	11.77		0.000000	785155	HS	.6008	
63	11.85		0.000000	497805	HS	.3809	
64	11.95		0.000000	781891	HS	.5983	
65	12.04		0.000000	500340	HS	.3829	
66	12.10		0.000000	504688	HS	.3862	
67	12.17		0.000000	834024	HS	.6382	
68	12.29		0.000000	1627546	HS	1.2455	
69	12.41		0.000000	796008	HS	.6091	
70	12.64		0.000000	3556947	HS	2.7219	
71	12.83		0.000000	2910991	HS	2.2276	
72	13.07		0.000000	2019779	HS	1.5456	
73	13.29		0.000000	1422942	HS	1.0889	
74	13.44		0.000000	1585379	HS	1.2132	
75	13.53		0.000000	500557	HS	.3830	
76	13.60		0.000000	1949181	HS	1.4916	
77	13.80		0.000000	959653	HS	.7344	
78	13.88		0.000000	3212627	HS	2.4585	
79	14.07		0.000000	2037241	HS	1.5590	
80	14.22		0.000000	1672543	HS	1.2799	
81	14.41		0.000000	1691665	HS	1.2945	
82	14.45		0.000000	1686928	HS	1.2909	
83	14.61		0.000000	2723700	HS	2.0843	
84	14.70		0.000000	844227	HS	.6460	
85	14.85		0.000000	1139246	HS	.8718	
86	14.91		0.000000	983317	HS	.7525	
87	15.04		0.000000	3173970	HS	2.4289	
88	15.13		0.000000	548494	HS	.4197	
89	15.19		0.000000	660039	HS	.5051	

IEA GC/FID Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.24		0.000000	819863	HS	.6274	
91	15.38		0.000000	1124868	HS	.8608	
92	15.44		0.000000	529235	HS	.4050	
93	15.63		0.000000	1980711	HS	1.5157	
94	15.69		0.000000	1867205	HS	1.4289	
95	15.83		0.000000	507863	HS	.3886	
96	15.89		0.000000	1476321	HS	1.1298	
97	16.14		0.000000	3969661	HS	3.0378	
98	16.24		0.000000	541283	HS	.4142	
99	16.29		0.000000	665588	HS	.5093	
100	16.38		0.000000	555988	HS	.4255	
101	16.42		0.000000	725619	HS	.5553	
102	16.51		0.000000	1031463	HS	.7893	
103	16.65		0.000000	1922033	HS	1.4708	
104	16.74		0.000000	650865	HS	.4981	
105	16.80		0.000000	792064	HS	.6061	
106	16.88		0.000000	893484	HS	.6837	
107	16.99		0.000000	1185930	HS	.9075	
108	17.18		0.000000	2628748	HS	2.0116	
109	17.23		0.000000	2448164	HS	1.8735	
110	17.40		0.000000	584977	HS	.4477	
111	17.45		0.000000	583146	HS	.4463	
112	17.55		0.000000	614460	HS	.4702	
	17.64		0.000000	1220760	HS	.9342	
114	17.70		0.000000	508847	HS	.3894	
115	17.75		0.000000	370428	HS	.2835	
116	17.80		0.000000	622603	HS	.4764	
117	17.89		0.000000	1265155	HS	.9682	
118	18.00		0.000000	517304	HS	.3959	
119	18.16		0.000000	2605309	HS	1.9937	
120	18.26		0.000000	1524465	HS	1.1666	
121	18.37		0.000000	369052	HS	.2824	
122	18.46		0.000000	809182	HS	.6192	
123	18.57		0.000000	1043760	HS	.7987	
124	18.75		0.000000	1105650	HS	.8461	
125	18.84		0.000000	918651	HS	.7030	
126	19.09		0.000000	2727608	HS	2.0873	
127	19.22		0.000000	839218	HS	.6422	
128	19.31		0.000000	775170	HS	.5932	
129	19.38		0.000000	2551145	FF	1.9523	
130	19.46		0.000000	330606	HS	.2530	
131	19.54		0.000000	536168	HS	.4103	
132	19.61		0.000000	506606	HS	.3877	
133	19.66		0.000000	422071	HS	.3230	
134	19.84		0.000000	1247756	HS	.9548	
135	19.98		0.000000	1446352	HS	1.1068	
136	20.07		0.000000	266272	HS	.2038	
137	20.15		0.000000	665584	HS	.5093	
138	20.34		0.000000	867507	HS	.6639	
139	20.53		0.000000	503571	HS	.3854	
140	20.63		0.000000	662595	HS	.5070	
141	20.72		0.000000	158241	HS	.1211	
142	20.84		0.000000	1428270	HS	1.0930	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
143	20.97		0.000000	365149	HS	.2794	
144	21.10		0.000000	217509	HS	.1664	
145	21.16		0.000000	486658	HS	.3724	
146	21.34		0.000000	316909	HS	.2425	
147	21.42		0.000000	245932	HS	.1882	
148	21.51		0.000000	225099	HS	.1723	
149	21.65		0.000000	920591	HS	.7045	
150	21.81		0.000000	244620	HS	.1872	
151	21.95		0.000000	480679	HS	.3678	
152	22.14		0.000000	209683	HS	.1605	
153	22.22		0.000000	166068	HS	.1271	
154	22.32		0.000000	138828	HS	.1062	
155	22.43		0.000000	415752	HS	.3182	
156	22.52		0.000000	124913	HS	.0956	
157	22.60		0.000000	142656	HS	.1092	
158	22.71		0.000000	696139	HS	.5327	
159	22.90		0.000000	13876	BT	.0106	
160	22.99		0.000000	6075	VT	.0046	
161	23.09		0.000000	1470	PT	.0011	
162	23.18		0.000000	111029	VT	.0850	
163	23.36		0.000000	826	PT	.0006	
164	23.44		0.000000	3838	VT	.0029	
165	23.63		0.000000	3943	PT	.0030	
166	23.90		0.000000	69066	BV	.0529	
167	24.28		0.000000	103748	VV	.0794	
168	24.60		0.000000	26160	VV	.0200	

Total Area : 130676784   Total PPM : 100.000

Report Time : Thu Feb 20, 1997 5:53:08 pm
Method : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT051 010.RE

IEA GC/FID Standard Report

Sample Name   : #2 FUEL OIL 5000 PPM   Inj on Tue Feb 18, 1992 4:15:12 pm
Result File   : /DATA/LOOP/RESULT/D3AT05I 010.RES   INSTRUMENT : HP58
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

IEA GC/FID Standard Report

DB 5
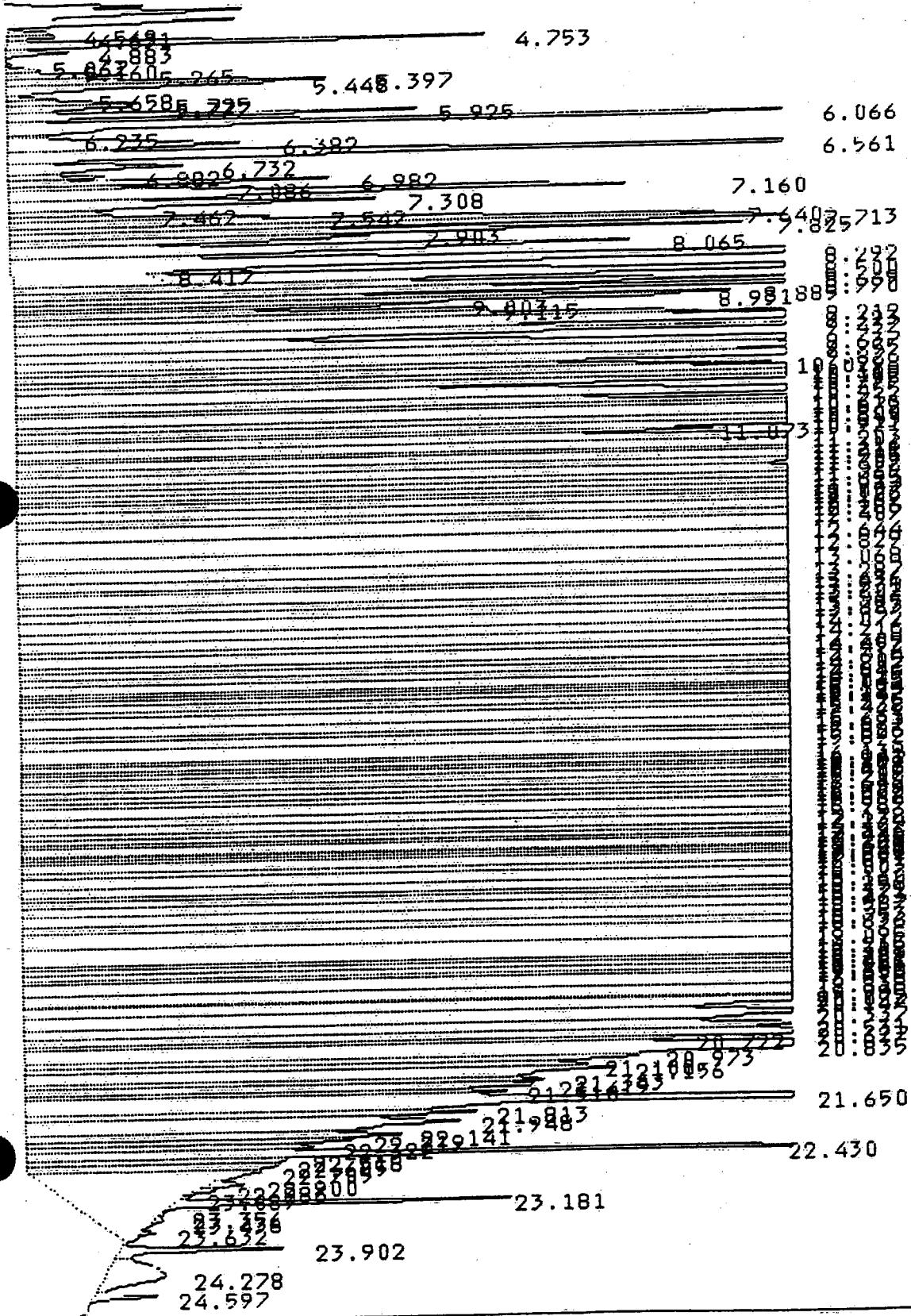
Sample Name   : #2 FUEL OIL
Result File   : /DATA19/LOOP/RESULT/D3AT05E_002.R   Report No : 17.01
Column Type   : DB-5 30m 0.53mm ID
Instrument   : HP58903A   Inj. Vol. : 1 ul
Calculation   : Zero
Run Time   : 25.00 Mins.   Injected on Tue Mar 25, 1997 3:20:48 pm
Sequence File : /DATA/LOOP/SEQUENCE/S3AT05E.SEQ
Subseq/Sample : 1/ 2   Bottle no. : 2

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.77		0.000000	22493	UV	.1706	
2	4.90		0.000000	2878	UV	.0218	
3	5.17		0.000000	13684	PV	.1038	
4	5.29		0.000000	21667	UV	.1643	
5	5.42		0.000000	15486	UV	.1174	
6	5.47		0.000000	12952	UV	.0982	
7	5.75		0.000000	4840	UV	.0367	
8	5.80		0.000000	5307	UV	.0402	
9	5.95		0.000000	17655	UV	.1339	
10	6.09		0.000000	41848	UV	.3173	
11	6.40		0.000000	16640	UV	.1262	
12	6.59		0.000000	54777	UV	.4154	
13	6.76		0.000000	9301	UV	.0705	
14	6.90		0.000000	2364	PV	.0179	
15	7.01		0.000000	12366	UV	.0938	
16	7.18		0.000000	40287	UV	.3055	
17	7.33		0.000000	17717	UV	.1344	
18	7.56		0.000000	7826	UV	.0593	
19	7.66		0.000000	33700	UV	.2556	
20	7.74		0.000000	44272	UV	.3357	
21	7.85		0.000000	32042	UV	.2430	
22	7.92		0.000000	19559	UV	.1483	
23	8.09		0.000000	41261	UV	.3129	
24	8.31		0.000000	176737	UV	1.3402	
25	8.44		0.000000	23188	UV	.1758	
26	8.53		0.000000	173850	FF	1.3184	
27	8.69		0.000000	47854	UV	.3629	
28	8.80		0.000000	54032	UV	.4097	
29	8.91		0.000000	30465	UV	.2310	
30	8.95		0.000000	24022	UV	.1822	
31	9.03		0.000000	14750	UV	.1119	
32	9.14		0.000000	20802	UV	.1577	
33	9.24		0.000000	40458	UV	.3068	
34	9.35		0.000000	95286	UV	.7226	
35	9.46		0.000000	56597	UV	.4292	
36	9.66		0.000000	75590	UV	.5732	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	9.78		0.000000	48393	UU	.3670	
38	9.90		0.000000	221869	UU	1.6825	
39	10.05		0.000000	37222	UU	.2823	
40	10.14		0.000000	47645	UU	.3613	
41	10.22		0.000000	61074	UU	.4631	
42	10.32		0.000000	51095	UU	.3875	
43	10.48		0.000000	109583	UU	.8310	
44	10.64		0.000000	40519	UU	.3073	
45	10.70		0.000000	49506	UU	.3754	
46	10.82		0.000000	133702	UU	1.0139	
47	10.93		0.000000	54656	UU	.4145	
48	11.00		0.000000	60595	UU	.4595	
49	11.10		0.000000	23634	UU	.1792	
50	11.23		0.000000	91643	UU	.6950	
51	11.34		0.000000	320609	UU	2.4313	
52	11.44		0.000000	40174	UU	.3047	
53	11.53		0.000000	132294	UU	1.0032	
54	11.63		0.000000	60570	UU	.4593	
55	11.79		0.000000	84294	UU	.6392	
56	11.88		0.000000	48001	UU	.3640	
57	11.97		0.000000	83383	UU	.6323	
58	12.06		0.000000	59424	UU	.4506	
	12.13		0.000000	54090	UU	.4102	
	12.19		0.000000	89995	UU	.6825	
61	12.30		0.000000	190701	UU	1.4461	
62	12.43		0.000000	79559	UU	.6033	
63	12.54		0.000000	47014	UU	.3565	
64	12.66		0.000000	364690	UU	2.7656	
65	12.86		0.000000	325553	UU	2.4688	
66	13.10		0.000000	226413	UU	1.7170	
67	13.31		0.000000	156372	UU	1.1858	
68	13.40		0.000000	59539	UU	.4515	
69	13.46		0.000000	112365	UU	.8521	
70	13.55		0.000000	54520	UU	.4134	
71	13.62		0.000000	212728	UU	1.6132	
72	13.82		0.000000	103358	UU	.7838	
73	13.90		0.000000	372262	UU	2.8230	
74	14.06		0.000000	112487	UU	.8530	
75	14.10		0.000000	106944	UU	.8110	
76	14.24		0.000000	175354	UU	1.3298	
77	14.43		0.000000	194668	UU	1.4762	
78	14.47		0.000000	180503	UU	1.3688	
79	14.63		0.000000	309507	UU	2.3471	
80	14.72		0.000000	89200	UU	.6764	
81	14.82		0.000000	57977	UU	.4397	
82	14.88		0.000000	54927	UU	.4165	
83	14.94		0.000000	126519	UU	.9594	
84	15.06		0.000000	358777	UU	2.7207	
85	15.17		0.000000	66076	UU	.5011	
86	15.22		0.000000	62246	UU	.4720	
87	15.26		0.000000	86663	UU	.6572	
88	15.40		0.000000	110123	UU	.8351	
89	15.46		0.000000	53270	UU	.4040	

IEA GC/FID Standard Report

DB 5 Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.66		0.000000	219406	UU	1.6638	
91	15.72		0.000000	190579	UU	1.4452	
92	15.85		0.000000	58871	UU	.4464	
93	15.91		0.000000	143194	UU	1.0859	
94	16.16		0.000000	428728	UU	3.2512	
95	16.26		0.000000	60625	UU	.4597	
96	16.31		0.000000	68762	UU	.5214	
97	16.40		0.000000	65465	UU	.4964	
98	16.44		0.000000	60352	UU	.4577	
99	16.53		0.000000	84049	UU	.6374	
100	16.67		0.000000	213339	UU	1.6178	
101	16.77		0.000000	69252	UU	.5252	
102	16.82		0.000000	82729	UU	.6274	
103	16.90		0.000000	78508	UU	.5953	
104	17.00		0.000000	49832	UU	.3779	
105	17.06		0.000000	65770	UU	.4988	
106	17.19		0.000000	266034	UU	2.0174	
107	17.25		0.000000	266155	UU	2.0183	
108	17.42		0.000000	57681	UU	.4374	
109	17.47		0.000000	48561	UU	.3683	
110	17.56		0.000000	45344	UU	.3439	
111	17.67		0.000000	205853	UU	1.5610	
112	17.83		0.000000	61808	UU	.4687	
113	17.91		0.000000	112443	UU	.8527	
114	18.18		0.000000	239400	UU	1.8154	
115	18.27		0.000000	191111	UU	1.4492	
116	18.51		0.000000	62860	UU	.4767	
117	18.59		0.000000	86231	UU	.6539	
118	18.77		0.000000	83622	UU	.6341	
119	18.85		0.000000	37829	UU	.2869	
120	18.90		0.000000	47048	UU	.3568	
121	19.11		0.000000	227823	UU	1.7277	
122	19.24		0.000000	64837	UU	.4917	
123	19.33		0.000000	62771	UU	.4760	
124	19.40		0.000000	312918	FF	2.3729	O-TERN∅NYL
125	19.48		0.000000	30426	UU	.2307	
126	19.58		0.000000	38497	UU	.2919	
127	19.64		0.000000	59839	UU	.4538	
128	19.85		0.000000	91804	UU	.6962	
129	20.01		0.000000	104864	UU	.7952	
130	20.56		0.000000	174418	UU	1.3227	
131	20.66		0.000000	90998	UU	.6901	
132	20.86		0.000000	85168	UU	.6459	
133	21.68		0.000000	32318	UU	.2451	
134	21.97		0.000000	10311	UU	.0782	
135	22.46		0.000000	10522	UU	.0798	
136	23.06		0.000000	145691	PU	1.1048	
137	23.50		0.000000	3361	UU	.0255	
138	23.98		0.000000	2862	BU	.0217	
139	24.24		0.000000	2130	PU	.0161	
140	24.48		0.000000	3674	UU	.0279	
141	24.86		0.000000	101369	PB	.7687	

Total Area   :   13186886   Total PPM   :   100.000

DB 5
Report Time   : Fri Apr 4, 1997 6:39:37 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA19/LOOP/RESULT/D3AT05E_002.

IEA GC/FID Standard Report

DB 5

Sample Name : #2 FUEL OIL   Inj on Tue Mar 25, 1997 3:20:48 pm

Result File : /DATA19/LOOP/RESULT/D3AT05E_002.RES   INSTRUMENT : HP589
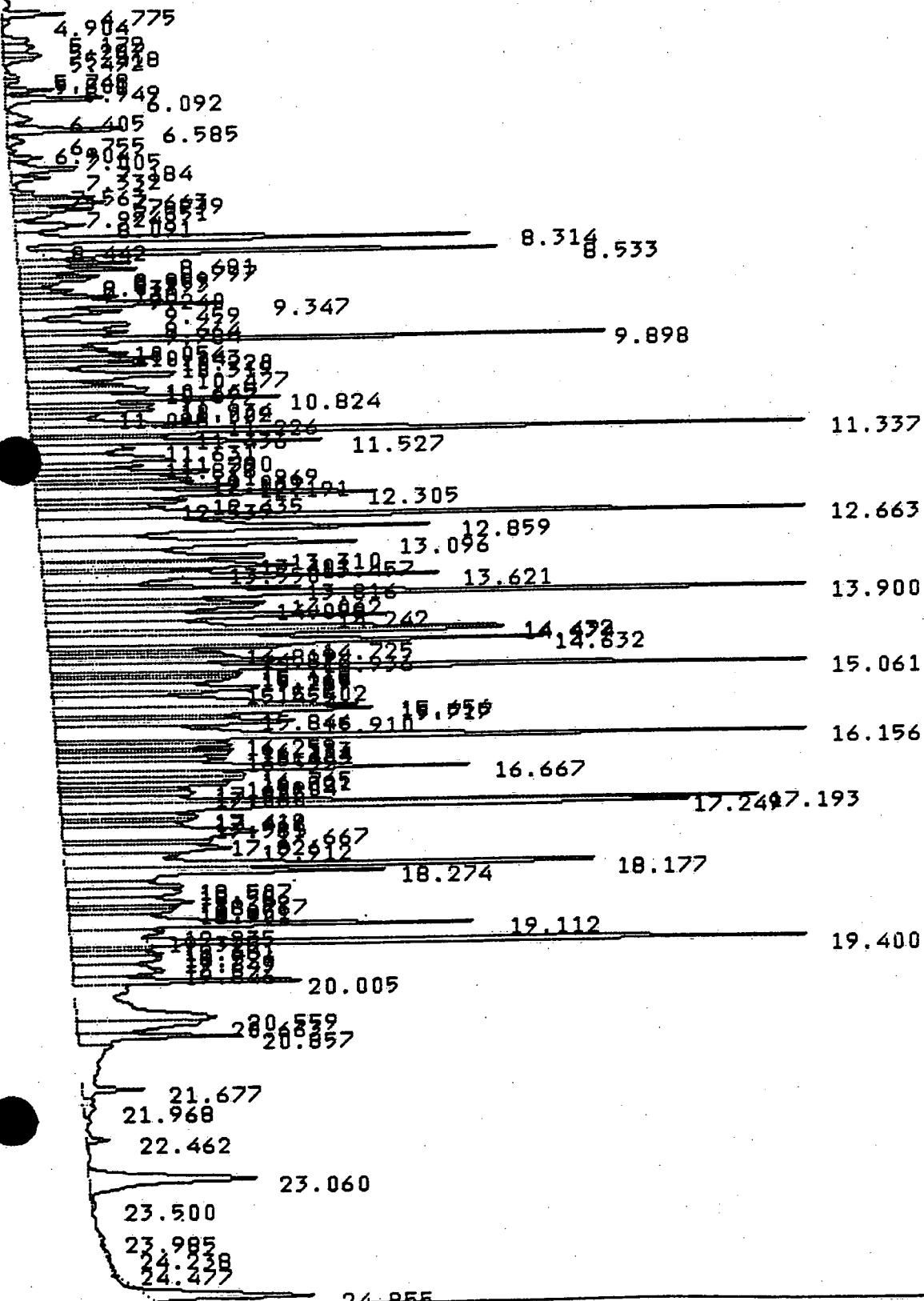
Column Type : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

IEA GC/FID Standard Report

DB 5
Sample Name   : #2 FUEL OIL   Report No : 22.11
Result File   : /DATA/LOOP/RESULT/D3AT05F_003.RES
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 25.00 Mins.   Injected on Mon Mar 31, 1997 3:31:05 pm
Sequence File : /DATA/LOOP/SEQUENCE/S3AT05F.SEQ
Subseq/Sample : 1/ 3   Bottle no. : 3

% Dil-Fact
     100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.79		.059539	16113	UV	.1523	
2	5.19		.087192	15590	BV	.1473	
3	5.30		.110570	16759	UV	.1584	
4	5.44		.065169	12127	UV	.1146	
5	5.49		.067237	10285	UV	.0972	
6	5.77		.055586	4111	UV	.0389	
7	5.82		.066421	4789	UV	.0453	
8	5.97		.061967	14495	UV	.1370	
9	6.11		.068537	33859	VH	.3200	
10	6.42		.127425	16384	HH	.1548	
11	6.60		.073023	45754	HH	.4324	
12	6.77		.105742	10930	HH	.1033	
13	6.92		.067591	3987	HH	.0377	
14	7.02		.067614	12555	HH	.1187	
15	7.20		.094767	36856	HH	.3483	
16	7.35		.087852	18720	HH	.1769	
17	7.58		.058711	9069	HH	.0857	
18	7.68		.070116	29646	HH	.2802	
19	7.76		.082758	37728	HH	.3565	
20	7.87		.068515	28493	HH	.2693	
21	7.94		.095516	21177	HH	.2001	
22	8.11		.105370	39389	HH	.3722	
23	8.25		.049341	10443	HH	.0987	
24	8.33		.063686	140259	HH	1.3255	
25	8.54		.060755	157864	HH	1.4919	1,3-DCB
26	8.71		.069311	44364	HH	.4192	
27	8.82		.075176	49051	HH	.4635	
28	8.93		.065396	28697	HH	.2712	
29	8.97		.057132	23553	HH	.2226	
30	9.16		.072275	22843	HH	.2159	
31	9.26		.071561	37866	HH	.3578	
32	9.37		.080361	82912	HH	.7835	
33	9.48		.104138	56941	HH	.5381	
34	9.68		.122087	71039	HH	.6713	
35	9.80		.081110	45780	HH	.4326	
36	9.92		.060650	182840	HH	1.7279	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	10.07		.075644	35693	HH	.3373	
38	10.16		.079729	45898	HH	.4337	
39	10.24		.080623	56157	HH	.5307	
40	10.34		.065541	48124	HH	.4548	
41	10.50		.123946	104094	HH	.9837	
42	10.66		.067992	40544	HH	.3832	
43	10.71		.066623	46104	HH	.4357	
44	10.84		.088211	117718	HH	1.1125	
45	10.95		.069842	49595	HH	.4687	
46	11.02		.086188	58951	HH	.5571	
47	11.12		.057926	25344	HH	.2395	
48	11.25		.096035	86473	HH	.8172	
49	11.36		.062787	260024	HH	2.4573	
50	11.45		.048548	36715	HH	.3470	
51	11.55		.078087	117472	HH	1.1101	
52	11.65		.102952	61150	HH	.5779	
53	11.81		.100962	80540	HH	.7611	
54	11.90		.075871	49112	HH	.4641	
55	11.99		.074909	75410	HH	.7126	
56	12.08		.068538	54180	HV	.5120	
57	12.15		.059787	51644	VV	.4881	
58	12.21		.069136	80006	VV	.7561	
59	12.33		.088758	165822	VV	1.5671	
60	12.46		.089684	74540	VV	.7044	
61	12.56		.062541	44936	VV	.4247	
62	12.68		.066639	299001	VV	2.8256	
63	12.88		.151133	281793	VV	2.6630	
64	13.12		.122074	203218	VV	1.9205	
65	13.33		.111769	139233	VV	1.3158	
66	13.42		.053759	54371	VV	.5138	
67	13.48		.075362	97986	VV	.9260	
68	13.57		.052617	48904	VV	.4622	
69	13.64		.091335	187901	VV	1.7757	
70	13.84		.066380	90853	VV	.8586	
71	13.92		.062433	301443	VV	2.8487	
72	14.08		.092758	104834	VV	.9907	
73	14.12		.086607	92424	VV	.8734	
74	14.27		.086128	147867	VV	1.3974	
75	14.39		.049292	43490	VV	.4110	
76	14.45		.056148	123328	VV	1.1655	
77	14.50		.065744	149257	VV	1.4105	
78	14.65		.102136	259949	VV	2.4566	
79	14.75		.058792	75675	VV	.7151	
80	14.84		.060883	54971	VV	.5195	
81	14.90		.051223	48653	VV	.4598	
82	14.96		.080573	109108	VV	1.0311	
83	15.08		.062340	292838	VV	2.7674	
84	15.19		.057996	57393	VV	.5424	
85	15.24		.136478	132144	VV	1.2488	
86	15.43		.135313	146322	VV	1.3828	
87	15.68		.121565	189892	VV	1.7945	
88	15.74		.102750	161018	VV	1.5217	
89	15.87		.052898	50817	VV	.4802	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.94		.102024	122865	UU	1.1611	
91	16.18		.081547	347864	UU	3.2874	
92	16.28		.063954	55696	UU	.5263	
93	16.34		.065231	57213	UU	.5407	
94	16.43		.120211	106068	UU	1.0024	
95	16.56		.083254	69475	UU	.6566	
96	16.69		.089006	173512	UU	1.6397	
97	16.79		.061311	57325	UU	.5417	
98	16.84		.072268	68003	UU	.6426	
99	16.93		.075080	64932	UU	.6136	
100	17.03		.067141	44315	UU	.4188	
101	17.09		.079776	53328	UU	.5040	
102	17.22		.058444	205780	UU	1.9447	
103	17.27		.069257	206228	UU	1.9489	
104	17.45		.069943	47608	UU	.4499	
105	17.49		.063420	40880	UU	.3863	
106	17.69		.149506	131192	UU	1.2398	
107	17.79		.045430	31682	UU	.2994	
108	17.85		.068136	47961	UU	.4532	
109	17.94		.112300	88703	UU	.8383	
110	18.20		.068172	172168	UU	1.6270	
111	18.30		.106137	144244	UU	1.3631	
112	18.54		.088335	47071	UU	.4448	
113	18.61		.127529	64410	UU	.6087	
114	18.79		.110950	58713	UU	.5549	
115	18.88		.062858	29709	UU	.2808	
116	18.93		.070893	31971	UU	.3021	
117	19.08		.080415	44193	UU	.4176	
118	19.14		.068861	108820	UU	1.0284	
119	19.26		.110538	44113	UU	.4169	
120	19.42		.054728	300383	UU	2.8387	O-TERPHENYL
121	19.61		.072046	25829	UU	.2441	
122	19.69		.112006	37702	UU	.3563	
123	19.87		.172076	58417	UU	.5521	
124	20.03		.069649	56277	UU	.5318	
125	20.39		.174549	28293	UU	.2674	
126	20.69		.100500	15446	UU	.1460	
127	20.89		.087313	35290	UU	.3335	
128	21.71		.071697	7295	UU	.0689	
129	23.26		.039069	285	BU	.0027	
130	24.25		.147538	38345	PU	.3624	
131	24.51		.146529	6754	UU	.0638	
132	24.86		.095693	1162	PU	.0110	

Total Area : 10581724   Total PPM : 100.000

Report Time : Thu Apr 3, 1997 8:28:20 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05F_003.RE

IEA GC/FID Standard Report

DB 5

Sample Name : #2 FUEL OIL   Inj on Mon Mar 31, 1997 3:31:05 pm

Result File : /DATA/LOOP/RESULT/D3AT05F_003.RES   INSTRUMENT : HP589

Column Type : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.792

5.101

5.490

5.248

5.6110

6.424 6.603

6.773

6.924

7.824 901

3.241

3.581 681

7.041

8.250 610

8.333 8.542

8.708

8.152

258 366

9.492

8.201

8.604 9.917

10.039

10.299

10.625 10.843

11.023 11.357

11.245 11.546

11.620

11.890

12.211 12.325

12.455 12.683

12.883

13.118

13.330 028 13.643 13.922

13.771

13.039

14.064

14.265

14.408 14.498

14.749 14.654

14.886 15.084

15.220

15.227

15.681 742

15.675 16.179

16.299

16.493

16.691

16.829

17.275 17.218

17.466

17.623

18.300 18.203

18.530

18.692

19.077 19.140 19.419

19.607

20.034

20.385

20.693

20.885

21.708

23.264

24.249

24.505

24.861

IEA GC/FID Standard Report

DB 5

Sample Name	: #2 FUEL OIL	Report No : 35.03
Result File	: /DATA/LOOP/RESULT/D3AT05F_015.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 40.02 Mins. Injected on Tue Apr 1, 1997 7:47:10 am	
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Subseq/Sample	: 1/ 15	Bottle no. : 15

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    EndOffBaseline
                    SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.59		0.000000	2695	BV	.0109	
2	4.66		0.000000	4052	VV	.0164	
3	4.78		0.000000	38875	VV	.1575	
4	4.91		0.000000	5043	VV	.0204	
5	5.18		0.000000	9379	PV	.0380	
6	5.29		0.000000	15394	VV	.0624	
7	5.42		0.000000	30601	VV	.1240	
8	5.48		0.000000	22453	VV	.0910	
9	5.68		0.000000	2477	PV	.0100	
10	5.75		0.000000	8435	VV	.0342	
11	5.80		0.000000	9405	VV	.0381	
12	5.95		0.000000	31128	VV	.1261	
13	6.10		0.000000	73131	VV	.2963	
14	6.41		0.000000	30642	VV	.1242	
15	6.59		0.000000	99427	VV	.4029	
16	6.76		0.000000	16832	VV	.0682	
17	6.91		0.000000	5043	VV	.0204	
18	7.01		0.000000	23211	VV	.0941	
19	7.19		0.000000	73774	VV	.2989	
20	7.34		0.000000	33180	VV	.1344	
21	7.49		0.000000	3823	VV	.0155	
22	7.57		0.000000	15418	VV	.0625	
23	7.67		0.000000	60899	VV	.2468	
24	7.74		0.000000	82728	VV	.3352	
25	7.86		0.000000	56507	VV	.2290	
26	7.93		0.000000	36999	VV	.1499	
27	8.10		0.000000	77587	VV	.3144	
28	8.32		0.000000	309009	VV	1.2521	
29	8.47		0.000000	53069	VV	.2150	
30	8.53		0.000000	306773	FF	1.2430	1,3-DCB
31	8.70		0.000000	86616	VV	.3510	
32	8.80		0.000000	96889	VV	.3926	
33	8.92		0.000000	55111	VV	.2233	
34	8.96		0.000000	44003	VV	.1783	
35	9.03		0.000000	28992	VV	.1175	
36	9.15		0.000000	38987	VV	.1580	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
37	9.24		0.000000	77685	UV	.3148	
38	9.35		0.000000	172897	UV	.7006	
39	9.47		0.000000	105158	UV	.4261	
40	9.67		0.000000	111301	UV	.4510	
41	9.73		0.000000	27650	UV	.1120	
42	9.79		0.000000	92500	UV	.3748	
43	9.90		0.000000	399973	UV	1.6206	
44	10.06		0.000000	67293	UV	.2727	
45	10.15		0.000000	90602	UV	.3671	
46	10.23		0.000000	111878	UV	.4533	
47	10.33		0.000000	93045	UV	.3770	
48	10.49		0.000000	201985	UV	.8184	
49	10.65		0.000000	74049	UV	.3000	
50	10.70		0.000000	89200	UV	.3614	
51	10.83		0.000000	245497	UV	.9947	
52	10.94		0.000000	96303	UV	.3902	
53	11.01		0.000000	115672	UV	.4687	
54	11.10		0.000000	47438	UV	.1922	
55	11.23		0.000000	168978	UV	.6847	
56	11.34		0.000000	574514	UV	2.3279	
57	11.44		0.000000	75274	UV	.3050	
58	11.53		0.000000	236254	UV	.9573	
	11.64		0.000000	113246	UV	.4589	
	11.80		0.000000	156540	UV	.6343	
61	11.89		0.000000	90569	UV	.3670	
62	11.98		0.000000	155033	UV	.6282	
63	12.06		0.000000	102987	UV	.4173	
64	12.13		0.000000	107904	UV	.4372	
65	12.20		0.000000	162257	UV	.6574	
66	12.31		0.000000	342925	UV	1.3895	
67	12.44		0.000000	150002	UV	.6078	
68	12.55		0.000000	86104	UV	.3489	
69	12.67		0.000000	658103	UV	2.6666	
70	12.86		0.000000	583450	UV	2.3641	
71	13.10		0.000000	415647	UV	1.6842	
72	13.32		0.000000	287842	UV	1.1663	
73	13.41		0.000000	109801	UV	.4449	
74	13.47		0.000000	208447	UV	.8446	
75	13.56		0.000000	102586	UV	.4157	
76	13.63		0.000000	392640	UV	1.5909	
77	13.83		0.000000	186521	UV	.7558	
78	13.91		0.000000	673489	UV	2.7289	
79	14.10		0.000000	405381	UV	1.6426	
80	14.25		0.000000	330508	UV	1.3392	
81	14.44		0.000000	367352	UV	1.4885	
82	14.48		0.000000	324589	UV	1.3152	
83	14.64		0.000000	565644	UV	2.2919	
4	14.74		0.000000	159022	UV	.6443	
5	14.88		0.000000	227731	UV	.9227	
86	14.95		0.000000	200323	UV	.8117	
87	15.07		0.000000	647863	UV	2.6251	
88	15.17		0.000000	130920	UV	.5305	
89	15.23		0.000000	118074	UV	.4784	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	15.27		0.000000	160827	UU	.6517	
91	15.41		0.000000	210315	UU	.8522	
92	15.47		0.000000	102291	UU	.4145	
93	15.67		0.000000	412157	UU	1.6700	
94	15.73		0.000000	361859	UU	1.4662	
95	15.86		0.000000	101525	UU	.4114	
96	15.92		0.000000	273292	UU	1.1073	
97	16.17		0.000000	793905	UU	3.2168	
98	16.27		0.000000	112295	UU	.4550	
99	16.32		0.000000	124463	UU	.5043	
100	16.42		0.000000	123761	UU	.5015	
101	16.45		0.000000	119596	UU	.4846	
102	16.54		0.000000	182383	UU	.7390	
103	16.68		0.000000	382980	UU	1.5518	
104	16.77		0.000000	128118	UU	.5191	
105	16.83		0.000000	148187	UU	.6004	
106	16.92		0.000000	160748	UU	.6513	
107	17.02		0.000000	99957	UU	.4050	
108	17.07		0.000000	119936	UU	.4860	
109	17.21		0.000000	515463	UU	2.0886	
110	17.26		0.000000	492642	UU	1.9961	
111	17.43		0.000000	107023	UU	.4336	
112	17.48		0.000000	96576	UU	.3913	
113	17.58		0.000000	100614	UU	.4077	
114	17.68		0.000000	240869	UU	.9760	
115	17.73		0.000000	87462	UU	.3544	
116	17.78		0.000000	72414	UU	.2934	
117	17.84		0.000000	121503	UU	.4923	
118	17.92		0.000000	226166	UU	.9164	
119	18.04		0.000000	94661	UU	.3836	
120	18.19		0.000000	483084	UU	1.9574	
121	18.29		0.000000	288949	UU	1.1708	
122	18.51		0.000000	133356	UU	.5403	
123	18.60		0.000000	183154	UU	.7421	
124	18.78		0.000000	182432	UU	.7392	
125	18.86		0.000000	85201	UU	.3452	
126	18.91		0.000000	87200	UU	.3533	
127	19.13		0.000000	486588	UU	1.9716	
128	19.25		0.000000	147291	UU	.5968	
129	19.34		0.000000	129172	UU	.5234	
130	19.42		0.000000	565881	FF	2.2929	O-TERPHENYL
131	19.50		0.000000	68722	UU	.2785	
132	19.58		0.000000	84751	UU	.3434	
133	19.65		0.000000	148009	UU	.5997	
134	19.87		0.000000	200862	UU	.8139	
135	20.02		0.000000	257131	UU	1.0419	
136	20.11		0.000000	40434	UU	.1638	
137	20.18		0.000000	97546	UU	.3952	
138	20.37		0.000000	128986	UU	.5226	
139	20.57		0.000000	75839	UU	.3073	
140	20.67		0.000000	94058	UU	.3811	
141	20.87		0.000000	230282	UU	.9331	
142	21.14		0.000000	28129	UU	.1140	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
143	21.20		0.000000	59186	UV	.2398	
144	21.38		0.000000	38289	UV	.1551	
145	21.46		0.000000	28973	UV	.1174	
146	21.55		0.000000	24090	UV	.0976	
147	21.69		0.000000	112285	UV	.4550	
148	21.86		0.000000	26494	UV	.1073	
149	21.99		0.000000	45132	UV	.1829	
150	22.18		0.000000	20385	UV	.0826	
151	22.47		0.000000	51652	UV	.2093	
152	22.94		0.000000	6919	UV	.0280	
153	23.22		0.000000	21773	UV	.0882	
154	23.94		0.000000	10149	BV	.0411	
155	24.44		0.000000	1413	UV	.0057	
156	24.64		0.000000	4804	UV	.0195	

Total Area   :   24679828   Total PPM   :   100.000

Report Time   : Thu Apr 3, 1997   8:15:46 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05F_015.RE

IEA GC/FID Standard Report

DB 5

Sample Name : #2 FUEL OIL   Inj on Tue Apr 1, 1997 7:47:10 am

Result File : /DATA/LOOP/RESULT/D3AT05F_015.RES   INSTRUMENT : HP589

Column Type : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

IEA
An AquarionCompany

GAS CHROMATOGRAPHY

GASOLINE RANGE ORGANICS (GRO)

INITIAL CALIBRATION FORM

Sequence Name: __S5AGAS07I__   Column: __DB-WAX__ ID: __0.53 mm__ Date Analyzed: __01/28/97__

GASOLINE							
Datafile	Level	Conc.	Response	RF	Average RF	Std Dev	%RSD
D5AGAS07I_004	1	50 ppb	399227	7984			
D5AGAS07I_005	2	100 ppb	858126	8581			
D5AGAS07I_006	3	200 ppb	1969700	9848			
D5AGAS07I_007	4	400 ppb	4570608	11426			
AGAS07I_008	5	600 ppb	6737092	11228			
D5AGAS07I_009	6	1000 ppb	11391558	113191	10076	1519	15.1

SURROGATE #1 = a,a,a-Triflurobenzene							
Level	RT	Response	Average RF	Std Dev	%RSD	Avg RT	RT Window
1	4.79	288532					
2	4.79	307264					
3	4.79	293190					
4	4.79	302120					
5	4.79	302536					
6	4.79	310779	300737	8420	2.8	4.79	4.74-4.84

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

GASOLINE RANGE ORGANICS (GRO)

CONTINUING CALIBRATION VERIFICATION SUMMARY SHEET

Lab Name: IEA

Lab Sample Name: GAS 200 PPB

Data File ID: D5AGAS07B_002   Sequence: S5AGAS07B

Date Analyzed: 03/18/97   Time Analyzed: 0804   Column: DB-WAX

Compound	RT	RT Window From	To	Calc. Amount	Nom Amount	% RSD
Gasoline				224	200	12.0
a,a,a-Trifluorotoluene	4.79	4.74	4.84			101

*Surrogate

IEA

An AquarionCompany

GAS CHROMATOGRAPHY

GASOLINE RANGE ORGANICS (GRO)

CONTINUING CALIBRATION VERIFICATION SUMMARY SHEET

Lab Name: IEA

Lab Sample Name: GAS 200 PPB

Data File ID: D5AGAS07C_002

Sequence: S5AGAS07C

Date Analyzed: 03/25/97

Time Analyzed: 1055

Column: DB-WAX

Compound	RT	RT Window From	To	Calc. Amount	Nom Amount	% RSD
Gasoline				203	200	1.5
a,a,a-Trifluorotoluene	4.81	4.76	4.86			93

*Surrogate

ILA GC/FID Standard Report

Report No : 3.00

Sample Name : STD 50PPB;G;
Result File : /DATA/LOOP/RESULT/D5AGAS071_004.RLS
Column Type : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument : HP58905A
Calculation : Zero
Run Time : 12.52 Mins.   Purged on Tue Jan 28, 1997 8:13:24 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS071.SEQ
Subseq/Sample : 1/ 4   ALS no. : 4

% Dil-Fact
  100.00

Run Status : RunStatusOK
             EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	.77		.095489	1233	PV	.1533	
2	4.13		.084168	24722	BV	3.0730	
3	4.79		.092394	288532	PB	35.8652	23-TFT
4	5.86		.091091	150447	PV	18.7009	
5	6.18		.042576	1221	VV	.1518	
6	6.24		.166734	3340	VV	.4151	
7	7.47		.083591	15276	VV	1.8988	
8	7.57		.055184	5184	VV	.6444	
9	7.65		.077763	12739	VV	1.5835	
10	7.78		.081240	29597	VV	3.6789	
11	7.84		.148204	61456	VV	7.6392	
12	8.42		.165858	5298	VV	.6585	
13	8.69		.135802	44300	VV	5.5066	
14	9.11		.122350	4775	VV	.5935	
15	9.25		.106283	3249	VV	.4039	
16	9.43		.198585	16289	VV	2.0247	
17	9.79		.099247	3041	VV	.3780	
18	9.84		.094430	2924	VV	.3634	
19	10.06		.171100	6150	VV	.7645	
20	10.38		.137590	6143	VV	.7636	
21	11.24		.055832	116731	VV	14.5099	
22	11.45		.070660	1843	VV	.2291	

Total Area :   804490   Total PPM :   100.000

Report Time : Tue Jan 28, 1997 8:31:08 pm
Method : /DATA/LOOP/METHOD/HP58905AG5.M
Result File : /DATA/LOOP/RESULT/D5AGAS071_004.

ICA GC/FID Standard Report

Sample Name : STD 50PPB;G;   Purged on Tue Jan 28, 1997 8:13:24
Result File : /DATA/LOOP/RLSULT/D5AGAS07I_004.RLS   INSTRUMENT: HP58905A
Column Type : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

.768

4.130

4.794

5.864

6.289

7.470
7.581
7.841

8.424
8.687

9.115
9.247
9.451

9.823
10.058
10.376

11.238

11.452

IEA GC/FID Standard Report

Report No : 4.00

Sample Name : STD 100PPB;G;
Result File : /DATA/LOOP/RESULT/D5AGAS07I_005.RCS
Column Type : DBWAX   30m 0.55 ID   Purge Vol. : 5 ml
Instrument : HP58905A
Calculation : Zero
Run Time : 12.50 Mins.   Purged on Tue Jan 28, 1997 8:35:20 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07I.SEQ
Subseq/Sample : 1/ 5   ALS no. : 5

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	.85		.074694	1033	PV	.0782	
2	4.13		.072404	42974	BV	5.2528	
3	4.79		.090849	307264	PV	23.2574	TFT
4	5.86		.089446	304467	PV	23.0457	
5	6.30		.076598	2014	VV	.1524	
6	6.39		.112725	2119	VV	.1604	
7	7.46		.084258	38880	VV	2.9429	
8	7.65		.091271	41643	VV	3.1520	
9	7.77		.084670	90825	VV	6.8747	
10	7.84		.120033	82354	VV	6.2335	
11	8.42		.189711	10861	VV	.8221	
12	8.68		.114253	85260	VV	6.4535	
13	9.12		.110906	12119	VV	.9173	
14	9.25		.086431	4157	VV	.3147	
15	9.43		.150983	51958	VV	3.9328	
16	9.77		.155389	18944	VV	1.4339	
17	10.05		.137178	18349	VV	1.3889	
18	10.36		.123387	34678	VV	2.6249	
19	10.64		.113108	3143	VV	.2379	
20	11.08		.080732	6313	VV	.4779	
21	11.24		.052502	155755	VV	11.7894	
22	11.45		.072961	6032	VV	.4566	

Total Area   :   1321145   Total PPM   :   100.000

Report Time : Tue Jan 28, 1997 8:51:20 pm
Method : /DATA/LOOP/METHOD/HP58905AG5.M
Result File : /DATA/LOOP/RESULT/D5AGAS07I_005.

ICA GC/FID Standard Report

.850

4.133

4.792

5.861

6:393

7.462
7.646   7.769
7.844

8.423

8.683

9.112
9.255
9.429

9.773

10.045

10.355

10.641

11.082   11.236

11.452

ILA GC/FID Standard Report

Report No : 5.00

Sample Name : STD 200PPB;G;
Result File : /DATA/LOOP/RLSULT/D5AGAS07I_006.RLS
Column Type : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument : HP58905A
Calculation : Zero
Run Time : 12.50 Mins.   Purged on Tue Jan 28, 1997 8:57:20 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07I.SEQ
Subseq/Sample : 1/ 6   ALS no. : 6

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                LndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.14		.075485	91708	BV	3.7343	ىس TFT
2	4.79		.085695	293190	PB	11.9386	
3	5.86		.087082	617229	PV	25.1334	
4	7.46		.081031	86635	BV	3.5277	
5	7.65		.083523	92838	VV	3.7804	
6	7.77		.132008	344167	VV	14.0144	
7	8.42		.139977	16019	VV	.6523	
8	8.68		.100334	172417	VV	7.0208	
9	9.11		.111094	37280	VV	1.5180	
10	9.42		.116554	149291	VV	6.0791	
11	9.76		.107365	59044	VV	2.4043	
12	10.03		.101518	52021	VV	2.1183	
13	10.34		.085786	152218	VV	6.1983	
14	10.61		.156145	25449	VV	1.0365	
15	10.89		.095633	10324	VV	.4204	
16	11.06		.075431	37813	VV	1.5398	
17	11.23		.050200	192922	VV	7.8557	
18	11.38		.044829	5652	VV	.2301	
19	11.45		.064490	16870	VV	.6869	
20	11.71		.058955	1550	VV	.0631	
21	12.10		.055260	1174	VV	.0478	

Total Area   :   2455812   Total PPM   :   100.000

Report Time : Tue Jan 28, 1997 9:16:14 pm
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File : /DATA/LOOP/RLSULT/D5AGAS07I_006.

IEA GC/FID Standard Report

Sample Name : STD 200PPb;G;   Purged on Tue Jan 28, 1997 8:57:20
Result File : /DATA/LOOP/RESULT/D5AGAS071_006.RES   INSTRUMENT: HP5895A
Column Type : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

4.140

4.795

5.863

7.463
7.645   7.770

8.422
8.670

9.114
9.421

9.761
10.035
10.341

10.615
10.889
11.062   11.234

11.384 11.549
11.712
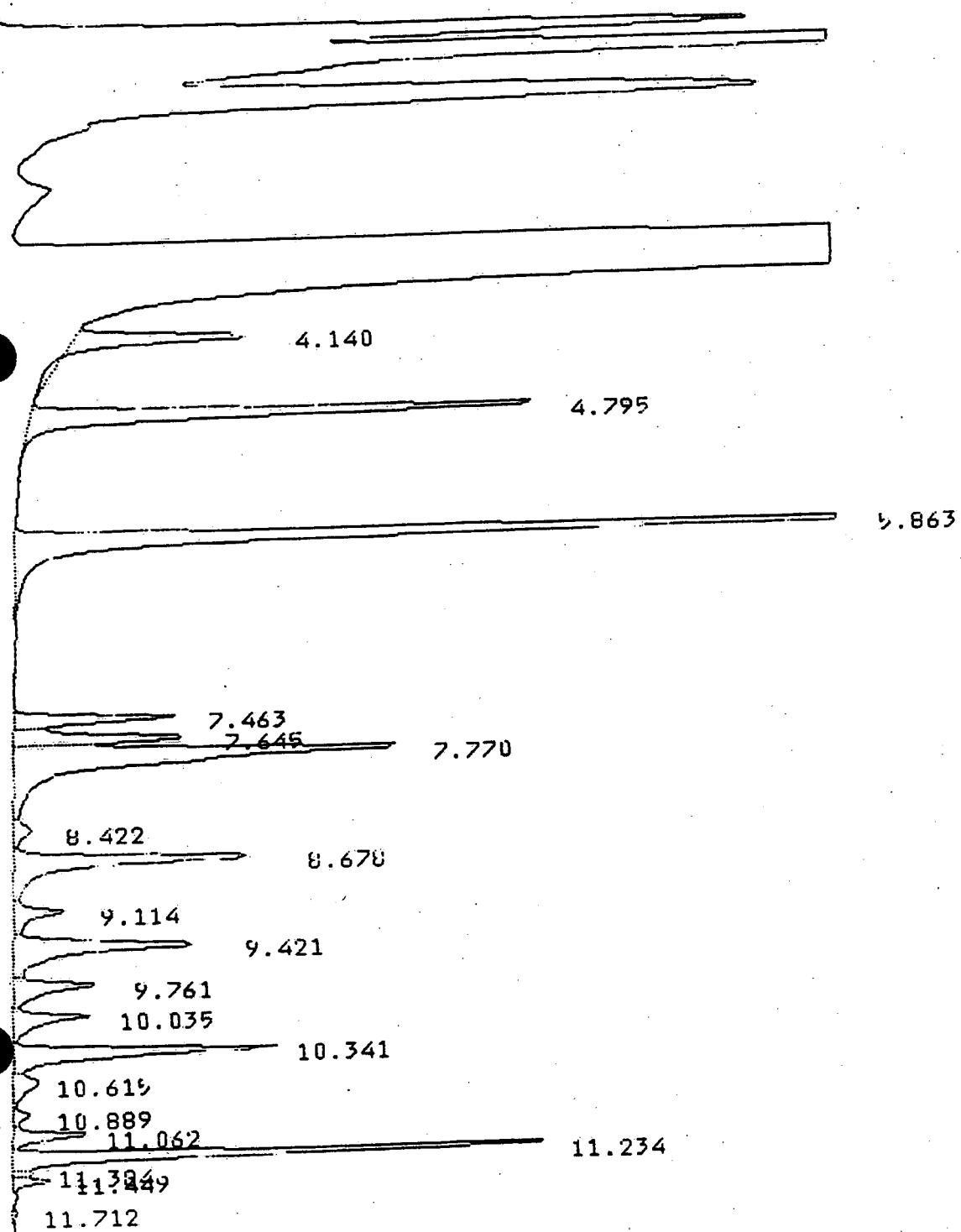
ILA GC/FID Standard Report

Report No : 6.00

Sample Name   : STD 400PPB;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07I_007.RLS
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 12.52 Mins.   Purged on Tue Jan 28, 1997 9:19:23 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07I.SEQ
Susseq/Sample : 1/ 7   ALS no. : 7

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 LndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.14		.088279	209357	BV	4.0561	
2	4.57		.087357	2492	PV	.0483	
3	4.79		.090044	302120	PV	5.8533	oos TFT
4	5.38		.108568	6486	BV	.1257	
5	5.51		.192841	10444	VV	.2023	
6	5.86		.085734	1226805	VV	25.7681	
7	7.47		.080068	182990	PV	3.5452	
8	7.65		.078042	195454	VV	5.7867	
9	7.77		.116586	677050	VV	13.1172	
10	8.41		.116920	29278	VV	.5672	
11	8.47		.088868	343603	VV	6.6570	
12	9.11		.091400	80833	VV	1.5670	
13	9.41		.096621	327691	VV	6.3487	
14	9.66		.063366	12881	VV	.2496	
15	9.75		.084583	133655	VV	2.5894	
16	10.03		.085530	119639	VV	2.3179	
17	10.33		.064948	393413	VV	7.6220	
18	10.60		.100501	114885	VV	2.2258	
19	10.71		.069420	30131	VV	.5838	
20	10.87		.072471	67250	VV	1.3029	
21	11.05		.071524	132445	VV	2.5660	
22	11.23		.056325	288831	VV	5.5953	
23	11.38		.053637	63612	VV	1.2324	
24	11.45		.058615	51124	VV	.9905	
25	11.59		.065058	11445	VV	.2217	
26	11.70		.081524	19688	VV	.3814	
27	11.84		.067233	21013	VV	.4071	
28	11.93		.039418	4815	VV	.0932	
29	11.99		.051587	35521	VV	.6882	
30	12.10		.066450	66560	VV	1.2895	

Total Area   :   5161559   Total PPM   :   100.000

Report Time   : Tue Jan 28, 1997 9:32:29 pm
                 /DATA/LOOP/METHOD/HP58905AG5.M

ICA GC/FID Standard Report

Sample Name   : STD 400PPB;G;   Purged on Tue Jan 28, 1997 9:19:23
Result File   : /DATA/LOOP/RESULT/D5AGAS07I_007.RES   INSTRUMENT: HP58905A
Column Type   : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

4.144

4.566   4.792

5.377
5.509   5.861

7.466
7.645   7.772

8.412   8.672

9.107
9.414

9.658   9.752
10.028
10.331

10.597
10.709
10.870   11.053   11.233

11.144380
11.585
11.201
11.842
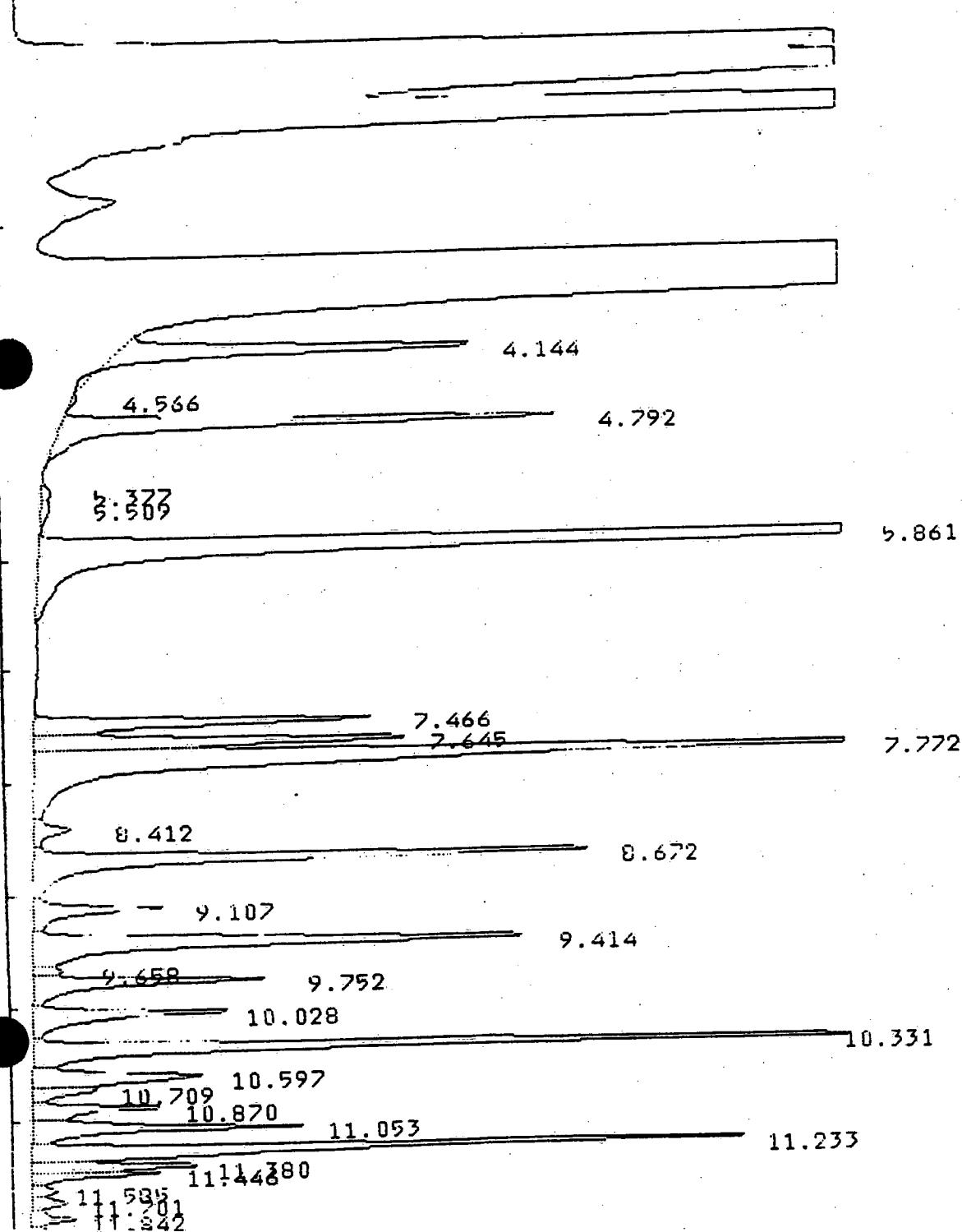
IEA GC/FID Standard Report

Report No : 7.00

Sample Name : STD 600PPB;G;
Result File : /DATA/LOOP/RESULT/D5AGAS071_008.RCS
Column Type : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument : HP58905A
Calculation : Zero
Run Time : 12.50 Mins.   Purged on Tue Jan 28, 1997 9:41:01 pm
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS071.SEQ
Su seq/Sample : 1/ 8   ALS no. : 8

% Dil-Fact
   100.00

Run Status : EndOffBaseline
             SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	.76		.102039	1052	UV	.0143	
2	4.15		.094162	340488	BV	4.6231	
3	4.56		.104448	6823	UV	.0926	add TFT
4	4.79		.091572	302536	PV	4.1078	
5	5.38		.141018	13109	BV	.1780	
6	5.51		.149190	11551	UV	.1568	
7	5.86		.084502	1821768	UV	24.7360	
8	6.56		.062481	1894	PV	.0257	
9	6.66		.126695	3483	UV	.0473	
10	6.80		.062435	1239	VB	.0168	
11	7.46		.078477	274612	BV	3.7287	
12	7.64		.078224	296872	UV	4.0309	
13	7.77		.112103.	991862	UV	13.4675	
14	8.41		.109258	38975	UV	.5292	
15	8.47		.087321	503529	UV	6.8369	
16	9.10		.087095	115990	UV	1.5749	
17	9.41		.094138	485167	UV	6.5876	
18	9.65		.061120	16713	UV	.2269	
19	9.75		.081150	193035	UV	2.6210	
20	10.02		.083309	174778	UV	2.3731	
21	10.33		.062478	583107	UV	7.9174	
22	10.59		.099313	165767	UV	2.2508	
23	10.71		.068216	43017	UV	.5841	
24	10.87		.070790	95001	UV	1.2899	
25	11.05		.069282	192923	UV	2.6195	
26	11.23		.060776	325223	UV	4.4159	
27	11.38		.053100	89573	UV	1.2162	
28	11.44		.056484	71841	UV	.9755	
29	11.58		.063359	15278	UV	.2074	
30	11.70		.078807	24361	UV	.3308	
31	11.84		.063776	27417	UV	.3723	
32	11.99		.056802	52356	UV	.7109	
33	12.09		.062531	83510	UV	1.1339	

Total Area : 7364851   Total PPM : 100.00

Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Re-ult File   : /UATA/LOOP/RESULT/D5AGAS07I_008.

IEA GC/FID Standard Report

```
.760



                                                    4.148

      4.558                    4.793


  5.380
5.512                                   5.860


  6.561
  6.681
  6.801


                              7.460
                              7.640        7.766


      8.409                              8.668


          9.103                      9.409

   9.653        9.747
              10.024                    10.326

                  10.592
      10.206
          10.867      11.050            11.230

      11.442 371

   11.582
   11.700  838
```
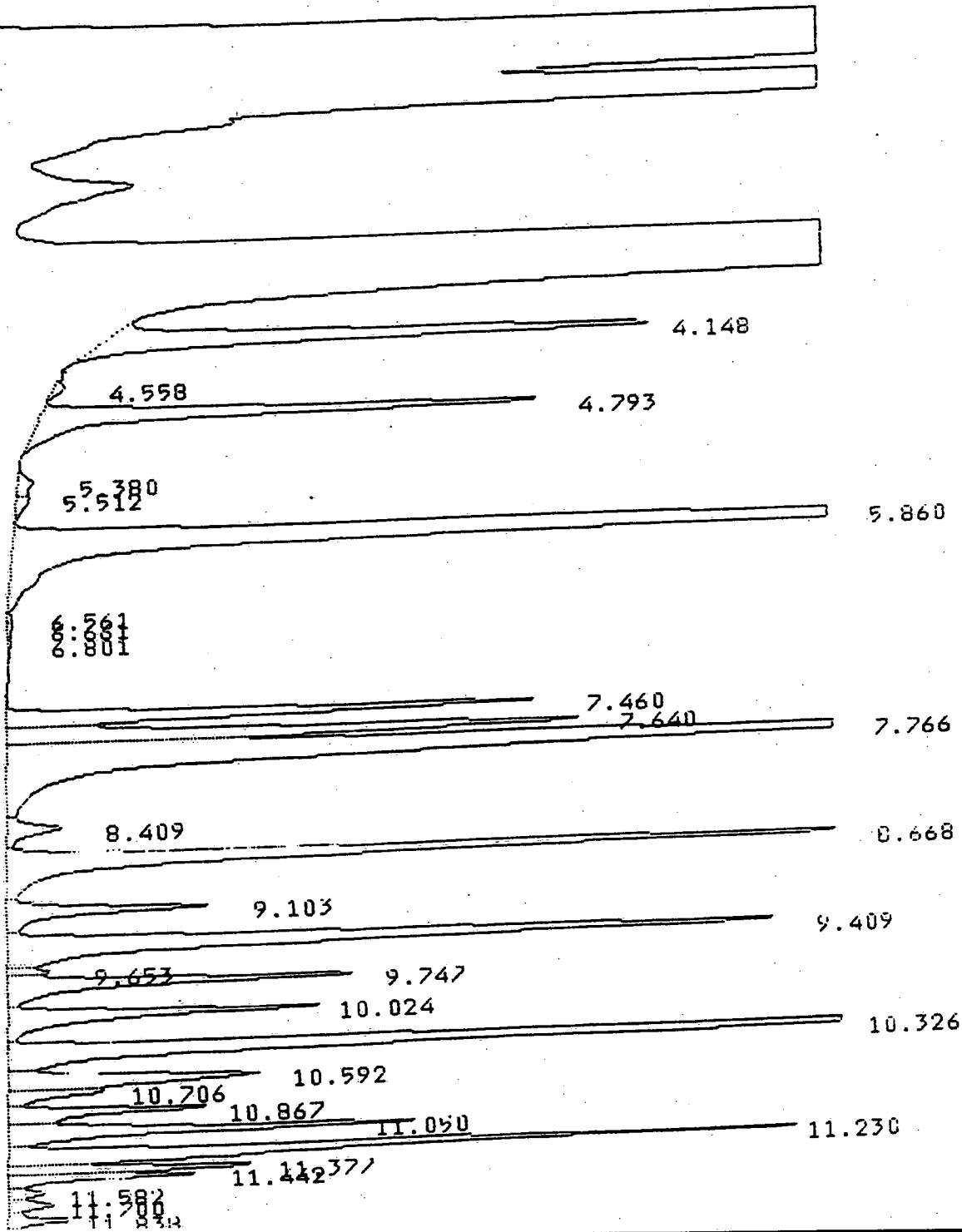
ICA GC/FID Standard Report

Sample Name   : STD 1000PPB;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07I_009.RLS
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 12.50 Mins.   Purged on Tue Jan 28, 1997 10:02:51 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S5AGAS07I.SEQ
Subseq/Sample   : 1/ 9   ALS no. : 9

% Dil-Fact
    100.00

Run Status   : EndOffBaseline
                  SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	.77		.080906	1398	PV	.0117	
2	4.15		.092600	568002	BV	4.7330	
3	4.55		.099107	11341	VV	.0945	
4	4.79		.092664	310779	PV	2.5897	*** TFT
5	5.36		.111490	17193	BV	.1433	
6	5.50		.156903	17796	VV	.1483	
7	5.86		.082306	3041153	HS	25.3412	
8	6.55		.035197	1876	BT	.0156	
9	6.58		.039865	1183	VT	.0099	
10	7.46		.079571	473144	PV	3.9426	
11	7.64		.077227	499032	VV	4.1583	
12	7.77		.115595	1691694	VV	14.0965	
13	8.41		.106532	65021	VV	.5418	
14	8.67		.084705	853562	VV	7.1129	
15	9.10		.085899	196650	VV	1.6386	
16	9.41		.093574	829048	VV	6.9083	
17	9.65		.061162	27570	VV	.2297	
18	9.74		.080288	327651	VV	2.7301	
19	10.02		.082737	296392	VV	2.4698	
20	10.32		.062125	393211	VV	3.2762	
21	10.59		.096919	276627	VV	2.3051	
22	10.70		.068559	73372	VV	.6114	
23	10.86		.069040	155230	VV	1.2935	
24	11.05		.068426	321519	VV	2.6791	
25	11.23		.050551	298477	VV	2.4871	
26	11.28		.045325	101999	VV	.8499	
27	11.37		.052279	142521	VV	1.1876	
28	11.44		.056464	117936	VV	.9827	
29	11.58		.063491	25144	VV	.2095	
30	11.70		.076885	34590	VV	.2882	
31	11.84		.062575	41946	VV	.3495	
32	11.92		.037925	5832	VV	.0486	
33	11.99		.051512	66731	VV	.5561	
34	12.09		.060926	115208	VV	.9600	

Report Time   : Tue Jan 28, 1997 10:15:58 pm
Method   : /DATA/LOOP/METHOD/HP58905AG5.M

                    IEA GC/FID Standard Report

Result File   : /DATA/LOOP/RESULT/D5AGAS071_009.

IEA GC/FID Standard Report

Sample Name   : STD 1000PPD;G;   Purged on Tue Jan 28, 1997 10:02:51
Result File   : /DATA/LOOP/RESULT/D5AGAS07I_009.RES   INSTRUMENT: HP5890A
Column Type   : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

.773

4.152

4.552   4.793

5.363
5.501
                                          5.858

6.554

                                          7.461
                                          7.634
                                          7.765

8.407   8.665

9.101
                                          9.408

9.654   9.744
               10.023
                                          10.324

10.589
10.705   10.865
               11.049   11.229

11.281 11.374
11.442
11.528
11.701
11.856
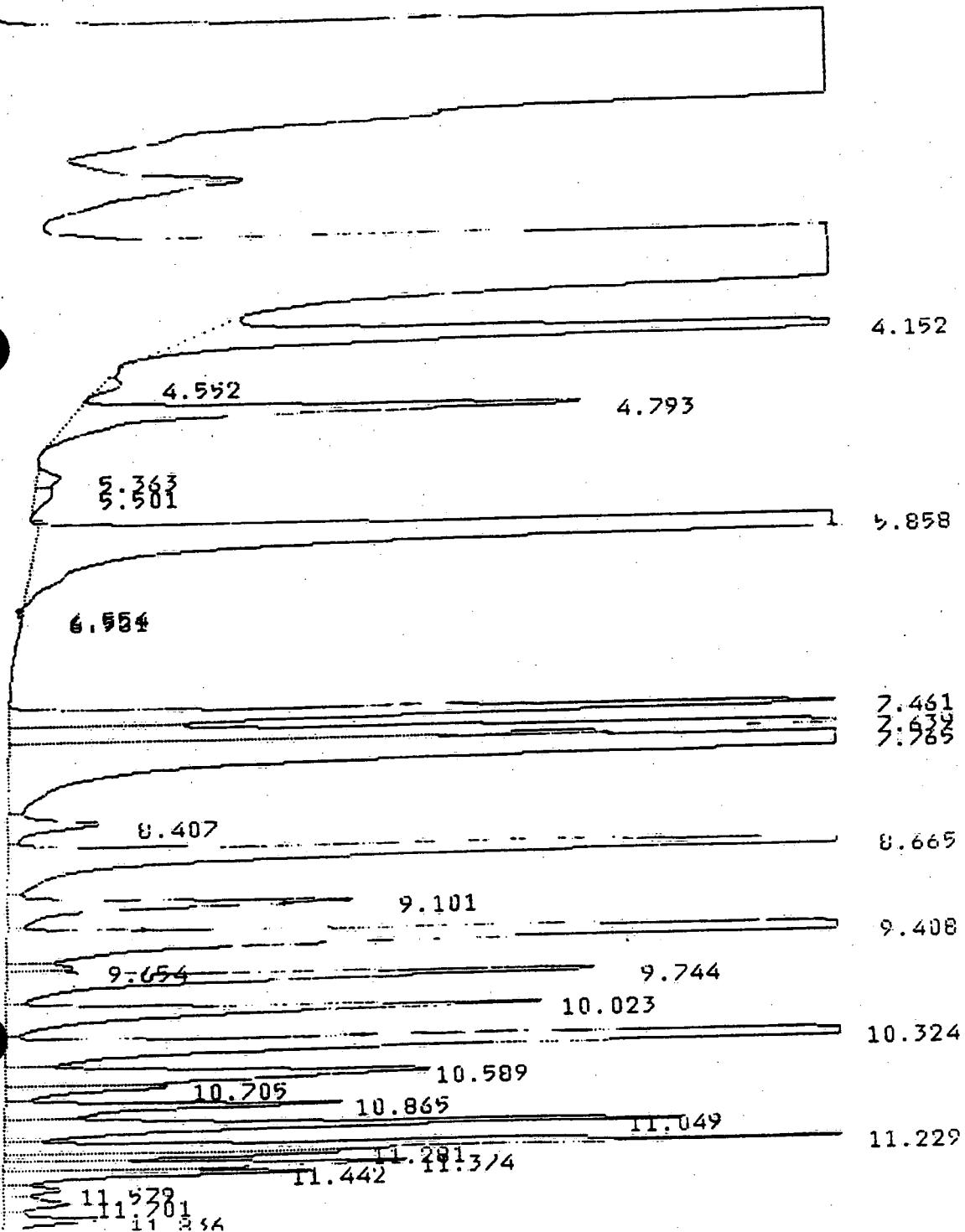
IEA GC/FID Standard Report

Report No : 17.00

Sample Name   : STD 200PPB;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07B_002.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.00 Mins.   Purged on Tue Mar 18, 1997 8:04:38 am
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07B.SEQ
Subseq/Sample : 1/ 2   ALS no. : 3

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.14		.083340	102234	BV	3.6798	
2	4.79		.089617	306268	PV	11.0237	add TFT
3	5.86		.087230	610208	PV	21.9635	
4	7.46		.080802	87001	BV	3.1315	
5	7.64		.081561	91389	VV	3.2894	
6	7.77		.128660	334284	VV	12.0320	
7	8.41		.113638	12773	VV	.4598	
8	8.67		.091901	164090	VV	5.9062	
9	9.10		.095436	35968	VV	1.2946	
10	9.41		.103291	152369	VV	5.4843	
11	9.66		.054966	4065	VV	.1463	
12	9.75		.094859	62404	VV	2.2462	
13	10.03		.093018	55163	VV	1.9855	
14	10.33		.075332	176049	VV	6.3366	
15	10.60		.144707	46094	VV	1.6591	
16	10.88		.088264	20636	VV	.7428	
17	11.05		.073947	51986	VV	1.8712	
18	11.23		.050675	213497	VV	7.6845	
19	11.38		.056761	15974	VV	.5750	
20	11.44		.063392	21082	VV	.7588	
21	11.59		.077867	4350	VV	.1566	
22	11.71		.073456	4361	VV	.1570	
23	11.85		.072487	4356	VV	.1568	
24	12.00		.057397	4719	VV	.1699	
25	12.10		.064194	7685	VV	.2766	
26	12.48		.056491	2934	VV	.1056	
27	12.59		.060915	2242	VV	.08??	
28	12.71		.052980	4534	VV	.1632	
29	13.48		.067963	1235	VV	.0444	
30	14.28		.105606	1618	VV	.0582	
31	14.79		.114011	1817	VV	.0654	
32	15.17		.103148	2114	VV	.0761	
33	15.77		.091706	1284	PV	.0462	
34	16.06		.068430	20225	VV	.7280	
35	16.13		.311940	91709	VV	3.3009	
36	16.54		.188480	28933	VV	1.0414	
37	16.76		.105710	11901	VV	.4283	

IEA GC/FID Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	16.88		.153878	16109	UV	.5798	
39	18.37		.062320	1461	UV	.0526	
40	18.48		.059619	1158	UV	.0417	

Total Area   :   2778278   Total PPM   :   100.000

Report Time   : Tue Mar 18, 1997 8:26:36 am
Method   : /DATA/LOOP/METHOD/HP58905AGAS.
Result File   : /DATA/LOOP/RESULT/D5AGAS07B_002.

IEA GC/FID Standard Report

Sample Name : STD 200PPB;G;   Purged on Tue Mar 18, 1997 8:04:38
Result File : /DATA/LOOP/RESULT/D5AGAS07B_002.RES   INSTRUMENT: HP58905A
Column Type : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

4.136

4.790

5.858

7.460
7.661   7.766

8.412   8.671

9.104   9.412

9.659   9.752

10.027   10.332

10.601
10.827 11.054   11.231

11.485
11.588
11.048
12.100

12.470
12.788

13.479

14.278

14.794
15.174

15.768
16.058

16.539
16.899

18.383
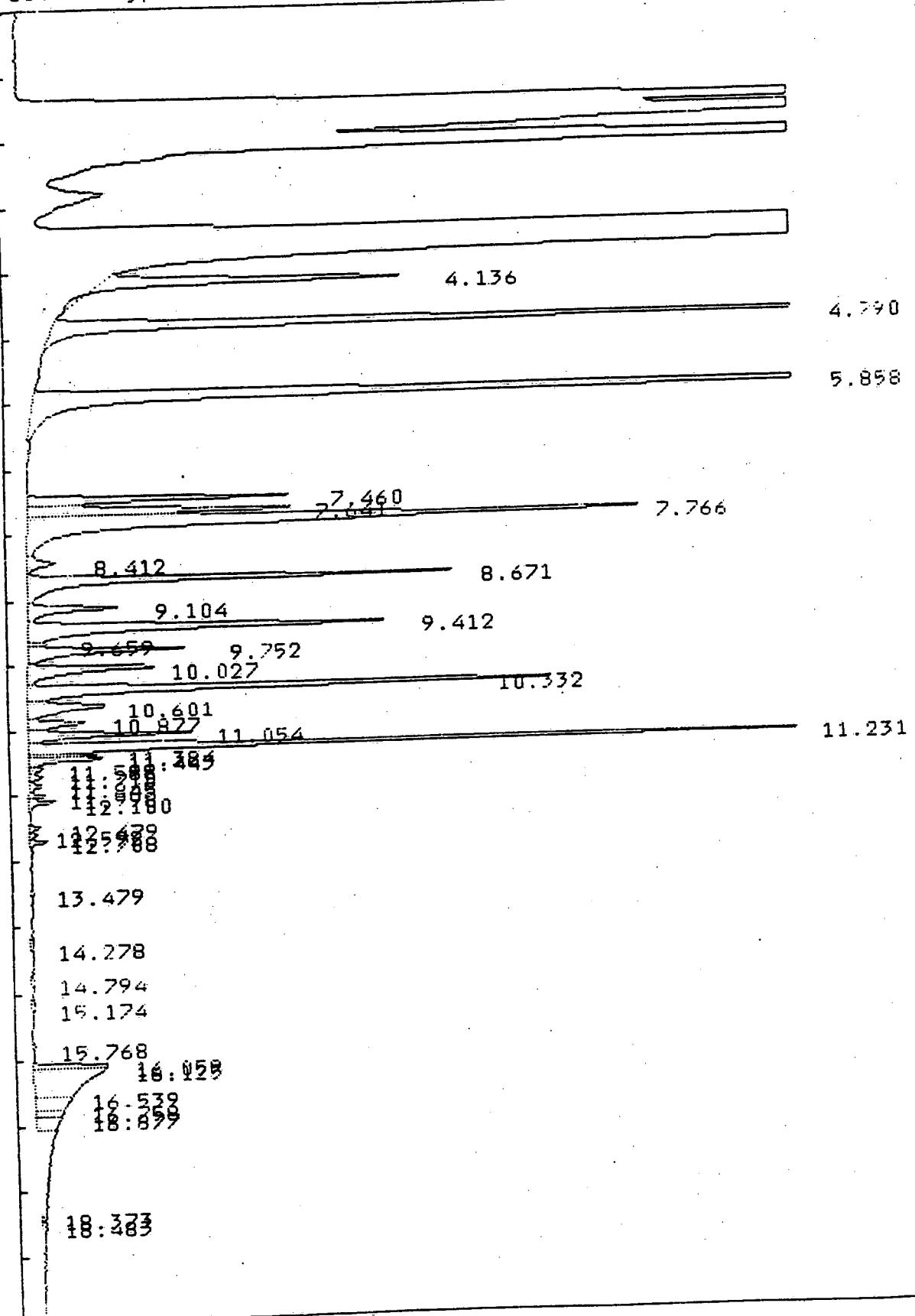
IEA GC/FID Standard Report

Report No : 2.20

Sample Name	:	STD 200PPB;G;
Result File	:	/DATA/LOOP/RESULT/D5AGAS07C_002.RES
Column Type	:	DBWAX 30m 0.53 ID Purge Vol. : 5 ml
Instrument	:	HP58905A
Calculation	:	Zero
Run Time	:	20.00 Mins. Purged on Tue Mar 25, 1997 10:55:17 am
Sequence File	:	/DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample	:	1/ 2 ALS no. : 3

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.15		.087218	99811	BV	3.8958	
2	4.81		.089980	280679	PB	10.9554	TFT
3	5.88		.087413	571154	VV	22.2932	
4	6.46		.093991	1619	PV	.0632	
5	7.52		.090262	92739	VV	3.6198	
6	7.70		.081751	95528	VV	3.7286	
7	7.82		.104688	302278	VV	11.7985	
8	8.42		.094681	11543	VV	.4505	
9	8.68		.087800	157236	VV	6.1372	
10	9.12		.087538	34151	VV	1.3330	
11	9.42		.097437	149478	VV	5.8344	
12	9.67		.052688	3901	VV	.1523	
13	9.76		.086225	59035	VV	2.3042	
14	10.04		.085913	52810	VV	2.0613	
15	10.34		.068888	177960	VV	6.9461	
16	10.61		.136418	60422	VV	2.3584	
17	10.88		.080291	26274	VV	1.0255	
18	11.06		.071038	57099	VV	2.2287	
19	11.24		.051513	234645	VV	9.1586	
20	11.39		.057748	25761	VV	1.0055	
21	11.45		.058164	22420	VV	.8751	
22	11.60		.074363	5058	VV	.1974	
23	11.71		.073531	5605	VV	.2188	
24	11.85		.062177	6249	VV	.2439	
25	12.00		.061004	12528	VV	.4890	
26	12.11		.059457	16029	VV	.6256	

Total Area   :   2562010   Total PPM   :   100.000
                      2046686

Report Time	:	Tue Apr 1, 1997 10:14:02 am
Method	:	/DATA/LOOP/METHOD/HP58905AG5.M
Result File	:	/DATA/LOOP/RESULT/D5AGAS07C_002.

IEA GC/FID Standard Report

4.148

4.806

5.876

6.465

7.520
7.708
7.822

8.423
8.683

9.116
9.423
9.669 9.761
10.036
10.340

10.609
10.883
11.062
11.239

11.392
11.451
11.556
11.735
11.852
13.008

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID
METHOD BLANK

Lab Name: IEA-NJ

Matrix: (soil/water):WATER

Sample wt/vol: 1000 (g/ml) ml

% Moisture: 0   decanted: __

Extraction: (SepF/Cont/Sonc) SEPF

Concentrated Extract Volume:2000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N   pH:____

Client: Allied Signal Inc.

Lab Sample ID: WG9617

Lab File ID: D2B44BN_041

Date Received: _____

Date Extracted: 03/13/97

Date Analyzed: 03/15/97

Dilution Factor: 1.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.20	U
11141-16-5	Aroclor-1232	0.20	U
469-21-9	Aroclor-1242	0.20	U
2672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

FORM 1 PEST

IEA Pesticide Standard Report

1.044   1.655

2.821
2.679
3.182
3.770

23.680

26.816
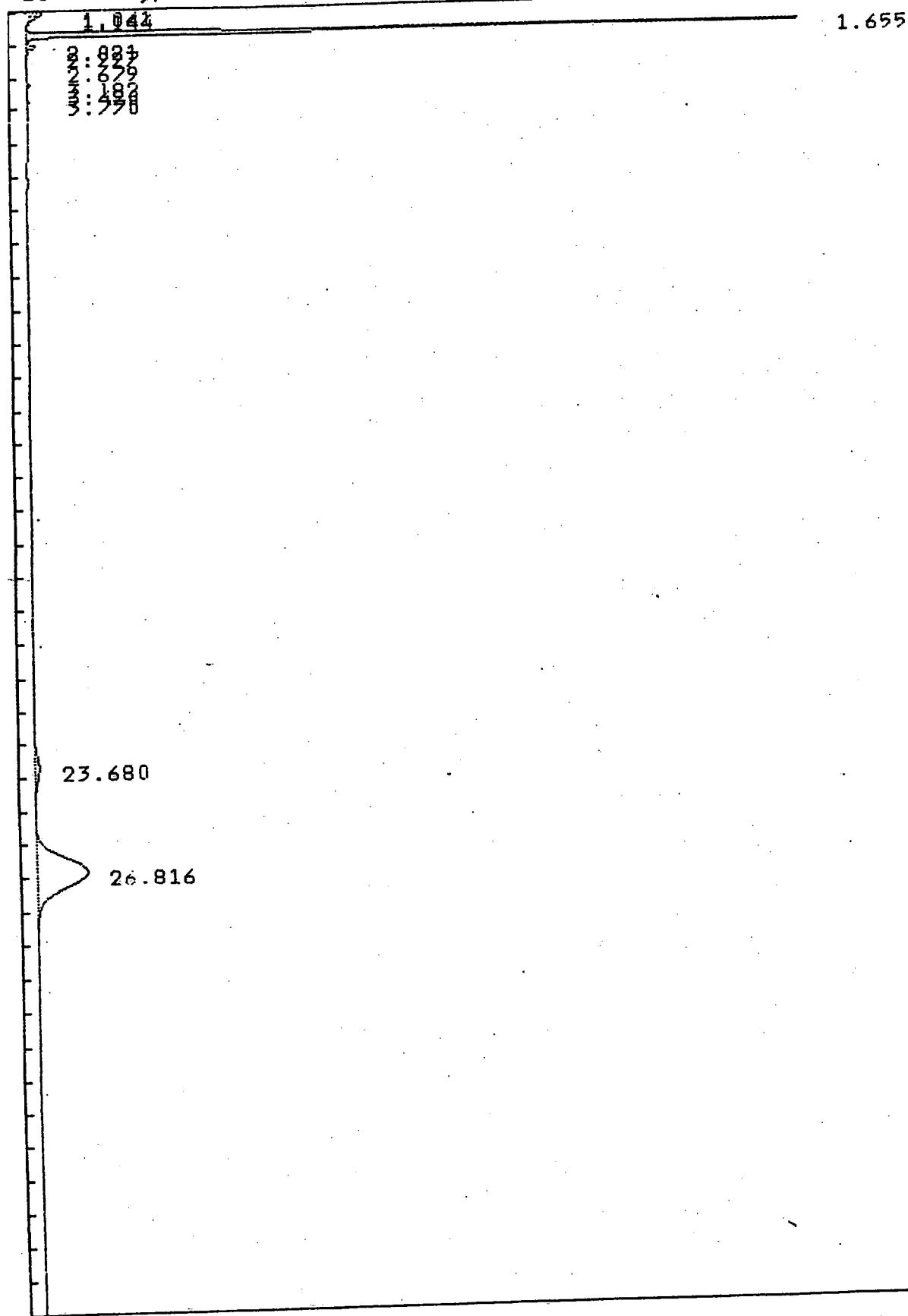
IEA Pesticide Standard Report

Report No : 381.00

Sample Name	: WG9617 METHOD BLANK
Result File	: /DATA/LOOP/RESULT/D2B44BN_041.RES
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument	: HP58902B
Calculation	: ExternalSTD
Run Time	: 40.02 Mins. Injected on 0236 15Mar1997
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44BN.SEQ
Sunseq/Sample	: 1/ 41 Bottle no. : 42

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB		Name
1	1.04		.063515	22893	PH	0.0000		
2	1.14		.071201	10607	UV	0.0000		
3	1.66	#1.65	.071246	1194730	BV	0.0000		TCX
4	2.02		.088637	17722	UV	0.0000		
5	2.23		.146767	6235	UV	0.0000		
6	2.68		.193433	3496	PV	0.0000		~~B-BHC~~
7	3.18	3.20	.137840	7793	PV	0.0000		
	3.42		.156909	3999	UV	0.0000		~~B-BHC~~
9	3.77	3.70	.162510	5916	UV	0.0000		
10	23.68		.982901	80733	BV	0.0000		
11	26.82	27.40	1.083729	999344	VB	0.0000		DBC

Total Area   :   2353469   Total PPB   :   0.000

Report Time	: 0319 15Mar1997
Method	: /DATA/LOOP/METHOD/HP58902B.MTH
Result File	: /DATA/LOOP/RESULT/D2B44BN_041.RES

GDS
3.17.97

IEA Pesticide Standard Report

Sample Name : WG9617 METHOD BLANK   Inj 0319 15Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BN_042.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.239
1.350 50   2.188
2.494
2.993
3.602
4.194

28.216

IEA Pesticide Standard Report

Sample Name   : WG9617 METHOD BLANK   Report No :383.00
Result File   : /DATA/LOOP/RESULT/D2A44BN_042.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 0319 15Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2A44BN.SEQ
Subseq/Sample   : 1/ 42   Bottle no. : 42

% Dil-Fact
    100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.24		.053342	16084	PV	0.0000	
2	1.45		.092028	130159	PV	0.0000	
3	1.76		.103649	29052	PV	0.0000	
4	2.19	#2.15	.108258	5647768	HS	0.0000	TCX
5	2.49	2.45	.100084	61847	BT	0.0000	A-BHC
6	2.79	2.85	.120580	10165	BT	0.0000	G-BHC
7	3.60		.155991	31804	BV	0.0000	
8	4.19		.284014	44700	PV	0.0000	
9	28.22	27.63	1.017663	4028812	BV	0.0000	DBC

Total Area : 10000392   Total PPB : 0.000

Report Time   : 0400 15Mar1997
Method   : /DATA/LOOP/METHOD/HP58902A.MTH
Result File   : /DATA/LOOP/RESULT/D2A44BN_042.RES

GDS
3.17 97

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

| METHOD BLANK |

Lab Name: __IEA-NJ__

Matrix: (soil/water): __SOIL__

Sample wt/vol: __30__ (g/ml) __g__

% Moisture: __0__ decanted: __

Extraction: (SepF/Cont/Sonc) __SONC__

Concentrated Extract Volume: __10000__ (uL)

Injection Volume: __5.0__ (uL)

GPC Cleanup: (Y/N) __N__ pH: ____

Client: __Allied Signal Inc.__

Lab Sample ID: __WG9640__

Lab File ID: __D2B44BQ_004__

Date Received: _____

Date Extracted: __03/14/97__

Date Analyzed: __03/18/97__

Dilution Factor: __1.00__

Sulfur Cleanup: __Y__

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) __UG/KG__

CAS NO.	COMPOUND			
12674-11-2	Aroclor-1016		33	U
11104-28-2	Aroclor-1221		33	U
11141-16-5	Aroclor-1232		33	U
53469-21-9	Aroclor-1242		33	U
12672-29-6	Aroclor-1248		33	U
11097-69-1	Aroclor-1254		33	U
11096-82-5	Aroclor-1260		33	U

IEA Pesticide Standard Report

1.231   1.676

1.485

2.295
2.843

3.198
3.468
3.800

5.263

23.764

26.901

IEA Pesticide Standard Report

Sample Name	: WG9640 METHOD BLANK	Report No :415.00
Result File	: /DATA/LOOP/RESULT/D2B44BQ_004.RES	
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT	Inj.Vol. : 5 ul
Instrument	: HP58902B	
Calculation	: ExternalSTD	
Run Time	: 40.00 Mins. Injected on 1927 18Mar1997	
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ	
Subseq/Sample	: 1/ 4	Bottle no. : 5

% Dil-Fact
100.00

Run Status   : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.23		.060497	296862	BV	0.0000	
2	1.49		.060328	14255	PV	0.0000	
3	1.68	1.65	.073789	1339335	PV	0.0000	TCX
4	2.04		.079436	15362	VV	0.0000	
5	2.29		.139230	9695	PV	0.0000	
6	3.20		.126869	5578	PV	0.0000	
7	3.47		.145573	1354	VV	0.0000	
8	3.80		.179135	72926	VB	0.0000	
9	5.26		.420736	6319	BB	0.0000	
10	23.76		.988709	90785	BV	0.0000	DBC
11	26.90	#27.00	1.092621	1124198	VB	0.0000	

Total Area   :   2976669   Total PPB   :   0.000

Report Time   : 2010 18Mar1997
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH
Result File   : /DATA/LOOP/RESULT/D2B44BQ_004.RES

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

SS03 MSMS

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 31 decanted: N

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:_____

Client: Allied Signal Inc.

Lab Sample ID: 71102006MS

Lab File ID: D2B44BQ 035

Date Received: 03/11/97

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 5.00

Sulfur Cleanup: Y

CAS NO.   COMPOUND

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
12674-11-2	Aroclor-1016	2300	
11104-28-2	Aroclor-1221	240	U
11141-16-5	Aroclor-1232	240	U
469-21-9	Aroclor-1242	240	U
12672-29-6	Aroclor-1248	240	U
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	580	

FORM 1 PEST

3/90

IEA Pesticide Standard Report

1.233 1.382   1.075   1.683
1.967
9.558   2.192   2.750
         3.150   3.475
      4.035 775
           4.317
         5.067
      5.417
5.975   6.283
           7.400
8.983
   9.700
10.325
   10.975
11.367
   12.350
13.942
15.775
16.942
19.183
   20.517
24.450
27.117
28.192
31.675
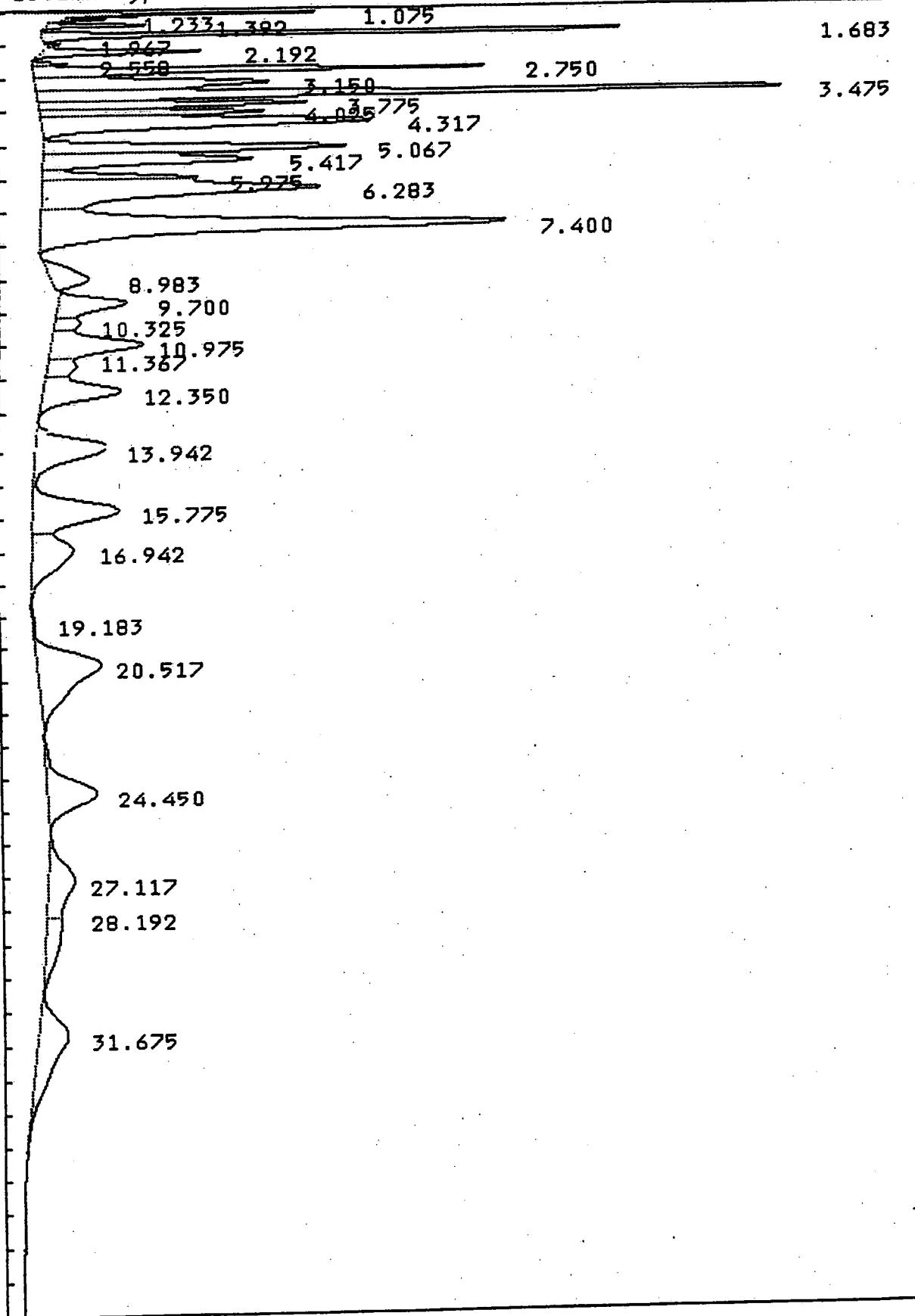
IEA Pesticide Standard Report

Sample Name   : 71102006MS SS03MS 5XDL   Report No :447.02
Result File   : /DATA/LOOP/RESULT/D2B44BQ_035.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 1922 19Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample   :   1/ 35   Bottle no. : 36

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline
                   SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.08		0.000000	71555	FF	0.0000	
2	1.23		0.000000	13590	FF	0.0000	
3	1.39		0.000000	44169	FF	0.0000	
4	1.68	1.65	0.000000	306197	FF	0.0000	TCX
5	1.97		0.000000	5662	FF	0.0000	
6	2.19		0.000000	107293	FF	0.0000	
7	2.56		0.000000	16523	FF	0.0000	
8	2.75		0.000000	305483	FF	0.0000	
9	3.15		0.000000	328677	FF	0.0000	
10	3.47		0.000000	679956	FF	0.0000	1242 1016
11	3.78		0.000000	237268	FF	0.0000	1242
12	4.02		0.000000	176178	FF	0.0000	
13	4.32		0.000000	497969	FF	0.0000	
14	5.07		0.000000	345247	FF	0.0000	1016
15	5.42		0.000000	293223	FF	0.0000	1016
16	5.98		0.000000	127695	FF	0.0000	
17	6.28		0.000000	630513	FF	0.0000	
18	7.40		0.000000	943992	FF	0.0000	
19	8.98		0.000000	100225	FF	0.0000	
20	9.70		0.000000	146669	FF	0.0000	
21	10.33		0.000000	42827	FF	0.0000	
22	10.98		0.000000	214971	FF	0.0000	
23	11.37		0.000000	68128	FF	0.0000	
24	12.35		0.000000	204291	FF	0.0000	
25	13.94		0.000000	213740	FF	0.0000	
26	15.77		0.000000	296850	FF	0.0000	
27	16.94		0.000000	206883	FF	0.0000	
28	19.18		0.000000	6854	FF	0.0000	
29	20.52		0.000000	377751	FF	0.0000	1260
30	24.45		0.000000	232447	FF	0.0000	1260
31	27.12	#27.00	0.000000	169077	FF	0.0000	DBC
32	28.19		0.000000	100603	FF	0.0000	
33	31.67		0.000000	256287	FF	0.0000	1260

Total Area   :   7768797   Total PPB   :   0.000

GDS
3.31.97

IEA Pesticide Standard Report

Result File   : /DATA/LOOP/RESULT/D2B44BQ_035.RES

Sample Name : 71102006MS SS03MS 5XDL   Inj 2005 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_036.RES   INSTRUMENT: HP5B902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.318
1.484
1.784
2.209
2.523
2.68
3.39 3.110
3.928
4.833
5.310
5.621
6.698
7.377
9.462
10.027
11.182
13.051
15.148
16.232
17.398
19.866
23.886
28.379
31.323
37.222
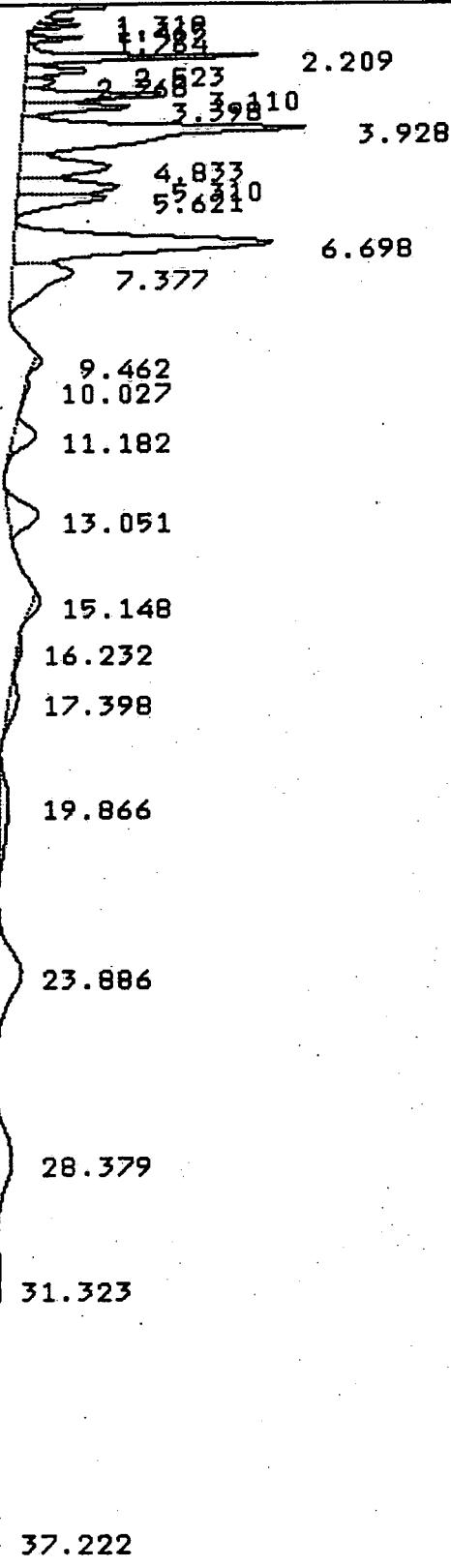
IEA Pesticide Standard Report

Sample Name   : 71102006MS SS03MS 5XDL   Report No :451.02
Result File   : /DATA/LOOP/RESULT/D2A44BQ_036.RES
Column Type   : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument   : HP58902A
Calculation   : ExternalSTD
Run Time   : 40.00 Mins.   Injected on 2005 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample : 1/ 36   Bottle no. : 36

% Dil-Fact
  100.00

Run Status   : RunStatusOK
             EndOffBaseline
             NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.32		.060628	123665	PV	0.0000	
2	1.46		.073544	217240	PV	0.0000	
3	1.76		.100178	337941	PV	0.0000	
4	2.21		.135123	1962611	VV	0.0000	TcX
5	2.52		.154940	586226	VV	0.0000	
6	2.77		.206266	376442	VV	0.0000	
7	3.11		.189658	1588092	VV	0.0000	
8	3.40		.194944	1245431	VV	0.0000	
9	3.93		.390852	6459030	VV	0.0000	
10	4.83		.388359	2054102	VV	0.0000	lolb
11	5.31		.312493	1847151	VV	0.0000	lolb
12	5.62		.328745	1698646	VV	0.0000	lolb
13	6.70		.435845	6531594	PV	0.0000	
14	7.38		.618195	2210912	VV	0.0000	
15	9.46		.261769	117722	BV	0.0000	
16	10.03		.499609	92732	PV	0.0000	
17	11.18		.503429	639154	VV	0.0000	
18	13.05		.652953	1123201	PV	0.0000	
19	15.15		.452959	188660	BV	0.0000	
20	16.23		.529618	128138	PV	0.0000	
21	17.40		.873564	400566	VV	0.0000	1260
22	19.87		1.709836	876028	PV	0.0000	1260
23	23.89		1.454181	2034186	VV	0.0000	1260
24	28.38		1.837216	1931924	PV	0.0000	DBC
25	31.32		2.862519	1236922	VV	0.0000	
26	37.22		2.499109	216324	VB	0.0000	

Total Area   :   36224648   Total PPB   :   0.000

Report Time   : 0807 20Mar1997
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File   : /DATA/LOOP/RESULT/D2A44BQ_036.RES

Sample Name : 71102007MSD SS03MSD 5XDL   Inj 2005 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2B44BQ_036.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

11.833   1.067
1.967   1.675
2.550   2.183
3.150   2.742
4.025   3.467
3.775
4.308
5.058
5.417
5.975   6.275
7.400
8.992
9.692
10.333
10.967
11.625
12.342
13.933
15.767
16.925
19.183
20.467
24.408
27.025
28.158
31.667
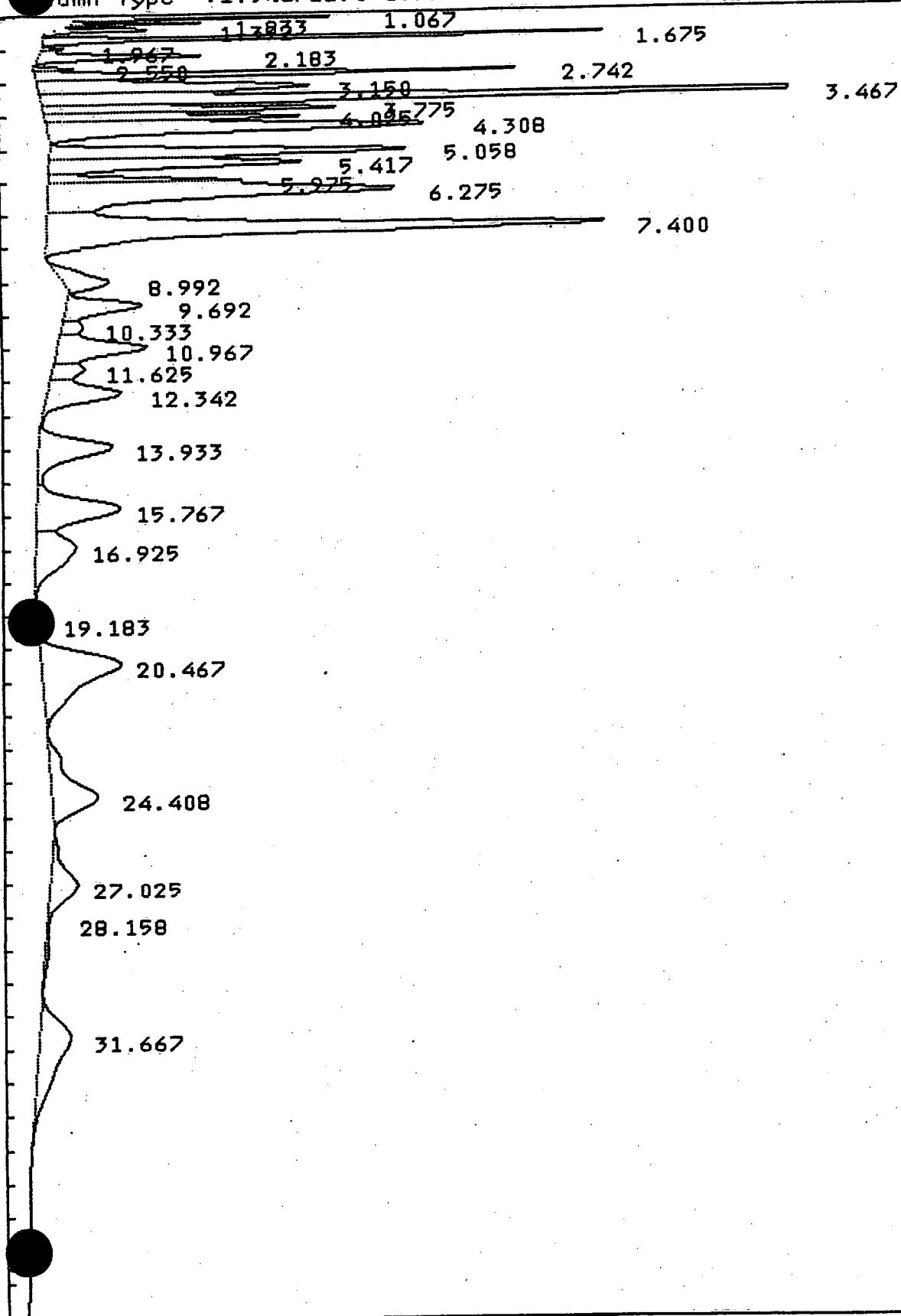
IEA Pesticide Standard Report

			Report No :448.02
Sample Name	: 71102007MSD SS03MSD 5XDL		
Result File	: /DATA/LOOP/RESULT/D2844BQ_036.RES		
Column Type	: 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul		
Instrument	: HP58902B		
Calculation	: ExternalSTD		
Run Time	: 40.00 Mins. Injected on 2005 19Mar1997		
Sequence File	: /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ		
Subseq/Sample	: 1/ 36	Bottle no. : 37	

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline
                 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.07		0.000000	92528	FF	0.0000	
2	1.23		0.000000	54485	FF	0.0000	
3	1.39		0.000000	52301	FF	0.0000	
4	1.67	1.65	0.000000	320198	FF	0.0000	TCX
5	1.97		0.000000	8923	FF	0.0000	
6	2.18		0.000000	141943	FF	0.0000	
7	2.55		0.000000	19109	FF	0.0000	
8	2.74		0.000000	364499	FF	0.0000	
9	3.15		0.000000	432189	FF	0.0000	
10	3.47		0.000000	893759	FF	0.0000	1016
11	3.78		0.000000	302403	FF	0.0000	
12	4.02		0.000000	236659	FF	0.0000	
13	4.31		0.000000	676793	FF	0.0000	
14	5.06		0.000000	474653	FF	0.0000	1016
15	5.42		0.000000	406168	FF	0.0000	1016
16	5.98		0.000000	200163	FF	0.0000	
17	6.27		0.000000	888267	FF	0.0000	
18	7.40		0.000000	1289050	FF	0.0000	
19	8.99		0.000000	131916	FF	0.0000	
20	9.69		0.000000	173895	FF	0.0000	
21	10.33		0.000000	42890	FF	0.0000	
22	10.97		0.000000	256099	FF	0.0000	
23	11.63		0.000000	72992	FF	0.0000	
24	12.34		0.000000	221787	FF	0.0000	
25	13.93		0.000000	272951	FF	0.0000	
26	15.77		0.000000	337288	FF	0.0000	
27	16.92		0.000000	235494	FF	0.0000	
28	19.18		0.000000	1871	FF	0.0000	
29	20.47		0.000000	505080	FF	0.0000	1260
30	24.41		0.000000	275770	FF	0.0000	1260
31	27.03	#27.00	0.000000	167648	FF	0.0000	DBC
32	28.16		0.000000	24529	FF	0.0000	
33	31.67		0.000000	316811	FF	0.0000	1260

Total Area   :   9891118   Total PPB   :   0.000

Report Time : 1016 20Mar1997
Method   : /DATA/LOOP/METHOD/HP58902B*.MTH

IEA Pesticide Standard Report

Result File   : /DATA/LOOP/RESULT/D2B448Q_036.RES

IEA Pesticide Standard Report

Sample Name : 71102007MSD SS03MSD 5XDL   Inj 2047 19Mar1997
Result File : /DATA/LOOP/RESULT/D2A44BQ_037.RES   INSTRUMENT: HP58902A
Column Type : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul

1.329
1.426
1.728
2.218
2.530
2.868
3.118
3.405
3.936
4.844
5.318
5.629
6.698
7.381
9.465
10.008
11.188
13.046
17.383
19.838
23.863
28.428
31.330
37.302
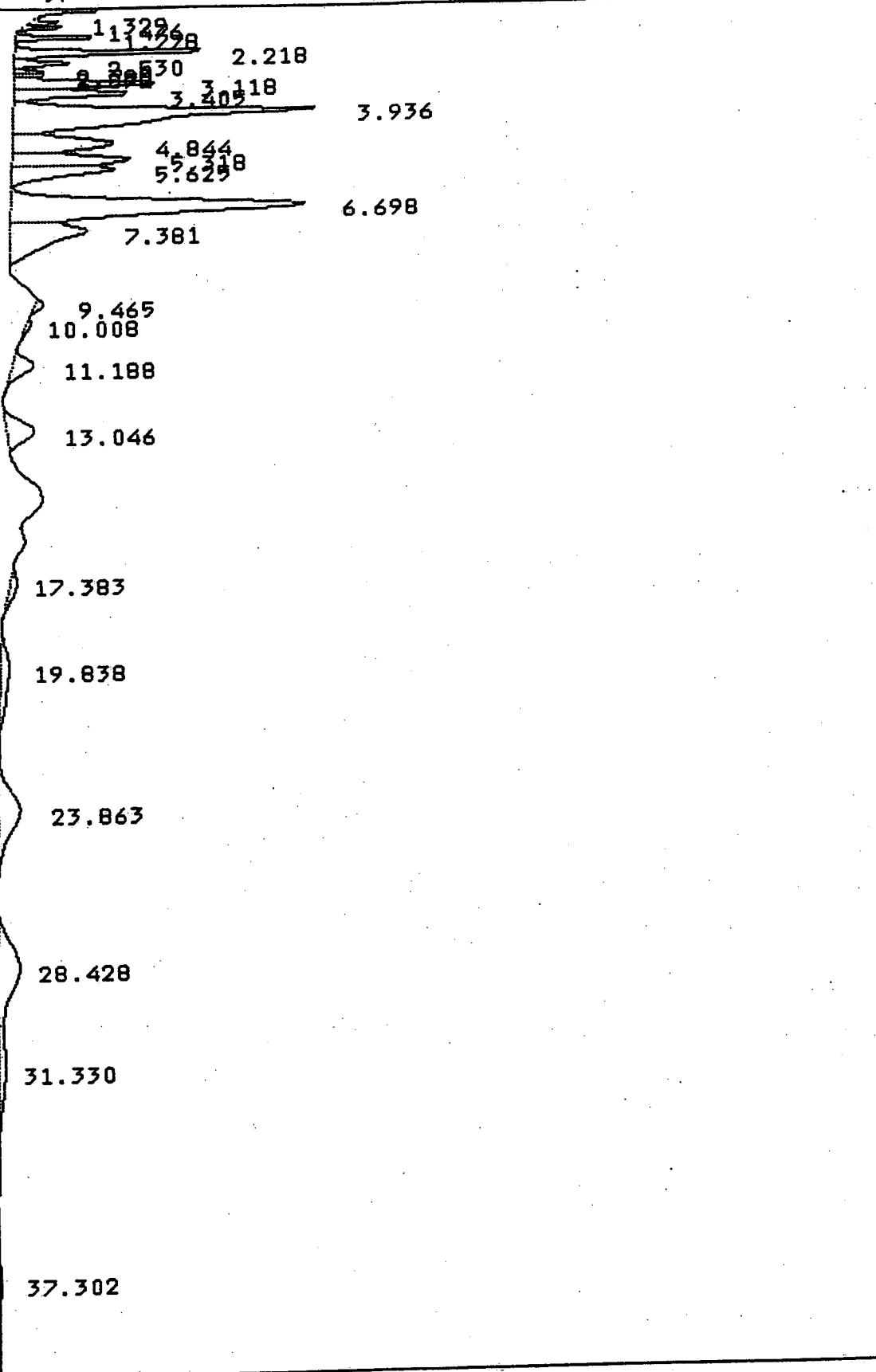
IEA Pesticide Standard Report

Sample Name	: 71102007MSD SS03MSD 5XDL	Report No	: 452.01
ult File	: /DATA/LOOP/RESULT/D2A44BQ_037.RES		
Column Type	: 3.0%SP2100 100/120 SUPELCOPORT	Inj. Vol.	: 5 ul
Instrument	: HP58902A		
Calculation	: ExternalSTD		
Run Time	: 40.02 Mins. Injected on 2047 19Mar1997		
Sequence File	: /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ		
Subseq/Sample	: 1/ 37	Bottle no.	: 37

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                EndOffBaseline
                NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.33		.062315	155274	BV	0.0000	
2	1.48		.078522	282017	PV	0.0000	
3	1.78		.098809	663433	PV	0.0000	
4	2.22		.127488	1909242	PV	0.0000	TCx
5	2.53		.142745	582350	VV	0.0000	
6	2.79		.115903	238763	VV	0.0000	
7	2.87		.118393	246619	VV	0.0000	
8	3.12		.188426	1918474	VV	0.0000	
9	3.40		.196196	1594775	VV	0.0000	
10	3.94		.393584	8306393	VV	0.0000	
11	4.84		.387721	2709048	VV	0.0000	1016
12	5.32		.313627	2574028	VV	0.0000	1016
13	5.63		.336797	2430169	VV	0.0000	1016
14	6.70		.446415	9119046	VV	0.0000	
15	7.38		.619321	3300691	VV	0.0000	
16	9.47		.246959	128539	BV	0.0000	
17	10.01		.410101	111725	PV	0.0000	
18	11.19		.494468	700206	PV	0.0000	
19	13.05		.648786	1243617	PV	0.0000	
20	17.38		.817587	349370	PV	0.0000	1260
21	19.84		1.777860	1022815	PV	0.0000	1260
22	23.86		1.456036	2203753	PV	0.0000	1260
23	28.43		1.797270	2654992	PV	0.0000	DBC
24	31.33		2.485214	1116326	VV	0.0000	
25	37.30		1.570931	128682	PB	0.0000	

Total Area   :   45690344   Total PPB   :   0.000

Report Time : 0811 20Mar1997
Method   : /DATA/LOOP/METHOD/HP58902A*.MTH
Result File : /DATA/LOOP/RESULT/D2A44BQ_037.RES

FORM 1
PEST/PCB ORGANICS ANALYSIS DATA SHEET

CLIENT ID

WG9640BSMS

Lab Name: IEA-NJ

Matrix: (soil/water):SOIL

Sample wt/vol: 30 (g/ml) g

% Moisture: 0 decanted: __

Extraction: (SepF/Cont/Sonc) SONC

Concentrated Extract Volume:10000 (uL)

Injection Volume: 5.0 (uL)

GPC Cleanup: (Y/N)N pH:____

Client: Allied Signal Inc.

Lab Sample ID: WG9640BSMS

Lab File ID: D2B44BQ 017

Date Received: _____

Date Extracted: 03/14/97

Date Analyzed: 03/19/97

Dilution Factor: 1.00

Sulfur Cleanup: Y

CONCENTRATION UNITS: Q
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
		330	
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	370	
11096-82-5	Aroclor-1260		

IEA Pesticide Standard Report

Sample Name   : WG9640 BS   Inj 0446 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2B44BQ_017.RES   INSTRUMENT: HP58902B
Column Type :1.5%SP2250/1.95%SP2401 100/120SUPLPORT   Inj.Vol : 5 ul

1.223
1.671
1.85473
2.545 233
3.147
3.458
3.764
40.894
4.297
5.041
5.402
5.942
6.514
7.138
8.973
9.917
10.967
12.333
13.933
15.733
16.900
19.158
20.592
21.700
24.367
27.008
31.625

IEA Pesticide Standard Report

Report No : 428.01

Sample Name   : WG9640 BS
Result File   : /DATA/LOOP/RESULT/D2B44BQ_017.RES
Column Type   : 1.5%SP2250/1.95%SP2401 100/120SUPLPORT Inj.Vol. : 5 ul
Instrument   : HP58902B
Calculation   : ExternalSTD
Run Time   : 40.02 Mins.   Injected on 0446 19Mar1997
Sequence File   : /DATA/LOOP/SEQUENCE/S2B44BQ.SEQ
Subseq/Sample   : 1/ 17   Bottle no.   : 18

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB		Name
1	1.22		0.000000	152775	BV	0.0000		
2	1.48		0.000000	21355	PV	0.0000		TCX
3	1.67	#1.70	0.000000	1281120	PV	0.0000		
4	1.95		0.000000	24978	VV	0.0000		
5	2.17		0.000000	195252	VV	0.0000		
6	2.54		0.000000	16414	PV	0.0000		
7	2.73		0.000000	342567	VV	0.0000		
8	3.15	3.20	0.000000	300839	VV	0.0000	1016	~~B-BHE~~ HEPTACHLOR
9	3.46	3.50	0.000000	712881	VV	0.0000		~~D-BHC~~
10	3.76	3.70	0.000000	334421	VV	0.0000		
11	4.01		0.000000	206773	VV	0.0000		
12	4.30		0.000000	511979	VV	0.0000		
13	5.04		0.000000	368845	VV	0.0000	1016	
14	5.40		0.000000	302200	VV	0.0000	1016	~~HEPTACHLOR EPOXIDE~~
15	5.94	5.95	0.000000	121896	VV	0.0000		
16	6.51		0.000000	311724	VV	0.0000		
17	7.14		0.000000	283680	VV	0.0000		~~DIELDRIN~~
18	8.97	9.05	0.000000	94117	VV	0.0000		
19	9.92		0.000000	653121	FF	0.0000		~~ENDRIN~~
20	10.97	11.00	0.000000	650310	FF	0.0000		
21	12.33		0.000000	1001559	FF	0.0000		
22	13.93		0.000000	761730	FF	0.0000		~~4,4'-DDT~~
23	15.73	15.80	0.000000	1204344	FF	0.0000		~~ENDRIN ALDEHYDE~~
24	16.90	16.55	0.000000	987058	FF	0.0000		~~ENDOSULFAN SULFATE~~
25	19.16	19.20	0.000000	210464	FF	0.0000		
26	20.59		0.000000	678998	FF	0.0000	n60	
27	21.70		0.000000	690213	FF	0.0000		
28	24.37		0.000000	1751662	FF	0.0000	1260	
29	27.01	27.15	0.000000	1432930	FF	0.0000		DBC
30	31.63		0.000000	1600060	FF	0.0000	1260	

Total Area   :   17206268   Total PPB   :   0.000

                                                              GDS

Report Time   : 0801 19Mar1997   3-24-97
Method   : /DATA/LOOP/METHOD/HP58902BP.MTH
Result File   : /DATA/LOOP/RESULT/D2B44BQ_017.RES

IEA Pesticide Standard Report

Sample Name   : WG9640 BS   Inj 0528 19Mar1997
Result File   : /DATA/LOOP/RESULT/D2A44BQ_018.RES   INSTRUMENT: HP58902A
Column Type   : 3.0% SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
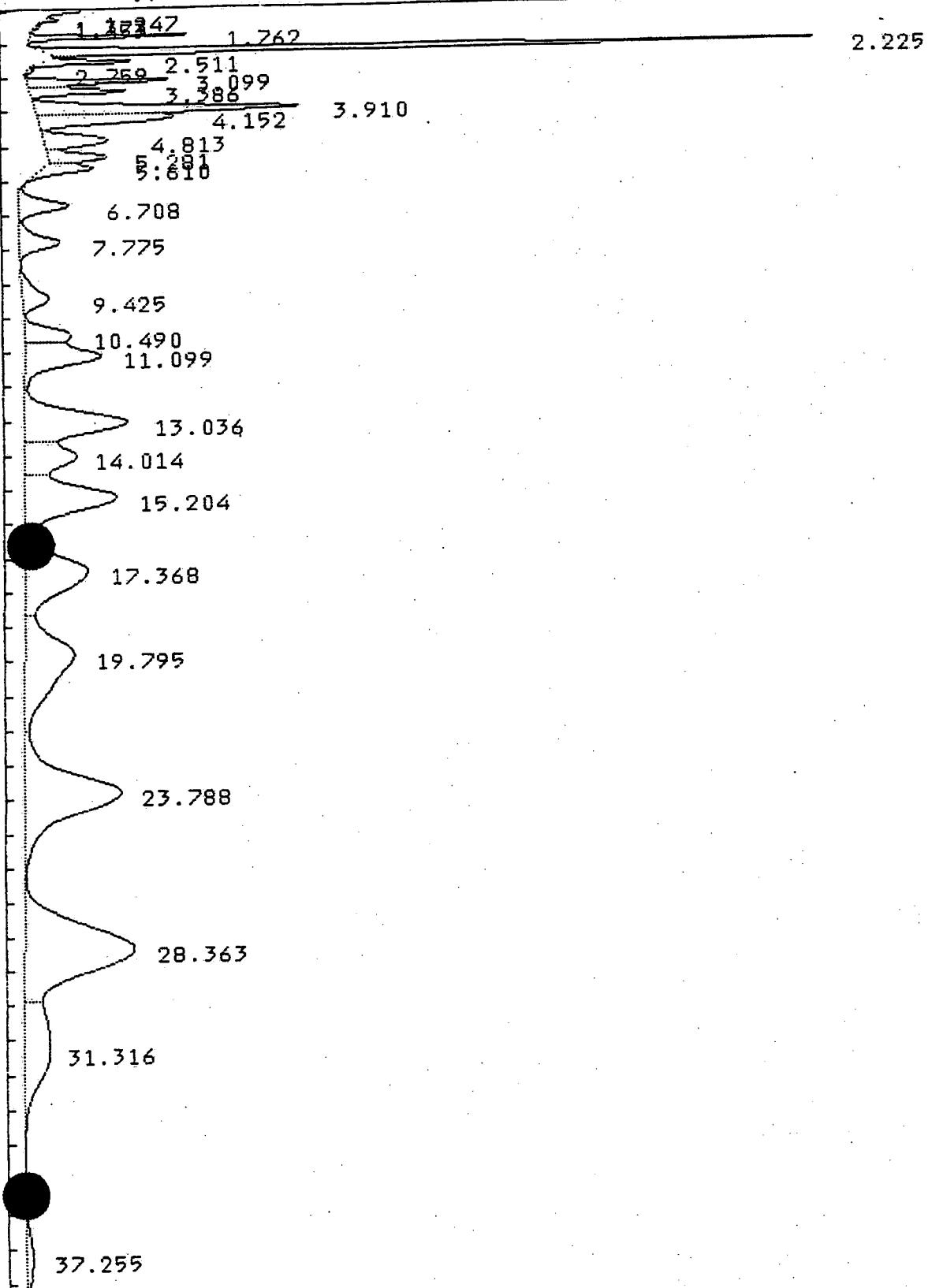
1.18147
1.762
2.225
2.511
2.769
3.099
3.386
4.152
3.910
4.813
5.291
5.610
6.708
7.775
9.425
10.490
11.099
13.036
14.014
15.204
17.368
19.795
23.788
28.363
31.316
37.255

IEA Pesticide Standard Report

Report No : 432.01

Sample Name : WG9640 BS
Result File : /DATA/LOOP/RESULT/D2A44BQ_018.RES
Column Type : 3.0%SP2100 100/120 SUPELCOPORT   Inj. Vol. : 5 ul
Instrument : HP58902A
Calculation : ExternalSTD
Run Time : 40.00 Mins.   Injected on 0528 19Mar1997
Sequence File : /DATA/LOOP/SEQUENCE/S2A44BQ.SEQ
Subseq/Sample : 1/ 18   Bottle no. : 18

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	1.25		0.000000	61991	BV	0.0000	
2	1.37		0.000000	11195	PV	0.0000	
3	1.45		0.000000	15706	VV	0.0000	
4	1.76		0.000000	1095191	PV	0.0000	
5	2.22	#2.25	0.000000	6901083	FF	0.0000	TCX
6	2.51		0.000000	742615	BT	0.0000	
7	2.76		0.000000	45319	PT	0.0000	
8	3.10		0.000000	1695850	PT	0.0000	
9	3.39		0.000000	1146028	VT	0.0000	
10	3.91		0.000000	4151538	VT	0.0000	
11	4.15		0.000000	2617919	VT	0.0000	
12	4.81		0.000000	1650697	VT	0.0000 1016	
13	5.28	5.30	0.000000	1182390	VT	0.0000 1016	ALDRIN
14	5.61		0.000000	883206	VT	0.0000 1016	
15	6.71		0.000000	1406037	FF	0.0000	
16	7.77	7.90	0.000000	1319034	FF	0.0000	A-CHLORDANE
17	9.42		0.000000	1125524	FF	0.0000	ENDOSULFAN II
18	10.49	10.40	0.000000	1432568	PV	0.0000	4,4' DDD
19	11.10	11.00	0.000000	3201235	VV	0.0000	ENDOSULFAN SULFATE
20	13.04	13.00	0.000000	5274165	VV	0.0000	4,4' DDT
21	14.01	14.20	0.000000	2378889	VV	0.0000	
22	15.20		0.000000	5501171	VV	0.0000	
23	17.37		0.000000	5333159	VV	0.0000 1260	
24	19.80		0.000000	5631431	VV	0.0000 1260	
25	23.79		0.000000	9134796	VV	0.0000 1260	
26	28.36	28.50	0.000000	12115958	VV	0.0000	DBC
27	31.32		0.000000	4002161	VV	0.0000	
28	37.25		0.000000	843317	PB	0.0000	

                                    Total PPB :   0.000

Total Area   :   80900160

Report Time : 0808 19Mar1997   GDS
Method   : /DATA/LOOP/METHOD/HP58902AP.MTH   3.24.97
Result File : /DATA/LOOP/RESULT/D2A44BQ_018.RES

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102____   Date Sampled: ____NA_____

IEA Sample No: __METHOD BLANK WG9674__   Date Received: ___NA_____

Client Sample No: _METHOD BLANK_____   Date Extracted: 03/25/97_

Extraction (SW846 - 3510) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: 03/18/97_

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of the referenced standards. The quantitation limit is 0.10 mg/L.

Comments:

===

IEA GC/FID Standard Report

DB 5
Sample Name : METHOD BLANK WG9674   Inj on Tue Mar 25, 1997 3:53:16 pm
Result File : /DATA/LOOP/RESULT/D3AT05E_003.RES   INSTRUMENT : HP589
Column Type : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.680

5.536

6.042

6.526

7.342
7.735

8.229   8.513

8.844

10.944589

11.374

12.678
12.892

13.489   13.717

14.946

16.244

19.386

22.176

22.698
23.003
23.297

IEA GC/FID Standard Report

DB 5

Sample Name	: METHOD BLANK WG9674	Report No : 18.00
Result File	: /DATA/LOOP/RESULT/D3AT05E_003.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 25.00 Mins. Injected on Tue Mar 25, 1997 3:53:16 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05E.SEQ	
Subseq/Sample	: 1/ 3	Bottle no. : 3

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.60		.050275	5993	BV	.5234	
2	4.72		.051614	4490	UV	.3921	
3	4.83		.051417	4488	UV	.3919	
4	4.88		.051161	7259	UV	.6339	
5	4.96		.054017	11427	UV	.9978	
6	5.02		.057649	6588	UV	.5753	
7	5.14		.069518	13457	UV	1.1751	
8	5.21		.135348	15745	UV	1.3749	
9	5.54		.072679	5929	PV	.5177	
10	6.04		.084022	6506	PV	.5681	
11	6.58		.122890	4256	UV	.3716	
12	6.76		.068635	5805	PV	.5069	
13	6.87		.065089	4761	UV	.4157	
14	6.97		.068949	4890	VB	.4270	
15	7.28		.053585	8574	BV	.7487	
16	7.34		.058422	4305	UV	.3759	
17	7.73		.049893	23529	PV	2.0546	
18	8.23		.073891	12177	BV	1.0633	
19	8.51		.053735	211911	PV	18.5046	
20	8.84		.107372	5865	UV	.5121	
21	10.59		.061364	17896	BV	1.5627	
22	10.74		.049031	4400	UV	.3842	
23	11.37		.141146	4141	PV	.3616	
24	12.68		.054099	2435	PV	.2127	
25	12.89		.072196	15179	UV	1.3255	
26	13.49		.062840	39866	PV	3.4812	
27	13.72		.059305	69502	UV	6.0691	
28	14.95		.062707	7165	UV	.6256	
29	16.24		.046386	1344	PV	.1174	
30	19.39		.047723	486306	BV	42.4656	~TOLUENE~
31	22.18		.115918	-702	UV	-.0613	
32	22.70		.193050	114237	PV	9.9755	
33	23.00		.140986	9663	UV	.8438	
34	23.30		.156646	3324	UV	.2903	
35	24.43		.121341	1249	BV	.1091	

Total Area   :   1145176   Total PPM   :   99.939

IEA GC/FID Standard Report

DB 5
Report Time   . : Tue Mar 25, 1997 4:18:57 pm
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05E_003.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: ___NA___

IEA Sample No: __METHOD BLANK WG9780__   Date Received: __NA__

Client Sample No: _METHOD BLANK___   Date Extracted: 03/25/97

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: 03/31/97

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of the referenced standards. The quantitation limit is 3.3 mg/kg.

Comments:

==

IEA GC/FID Standard Report

DB 5
Sample Name   : METHOD BLANK WG9780   Inj on Mon Mar 31, 1997 4:05:16 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_004.RES   INSTRUMENT : HP58?
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

4.804
5.576
8.533
13.735
19.410
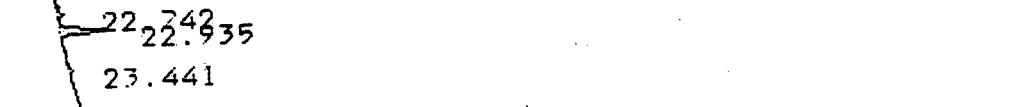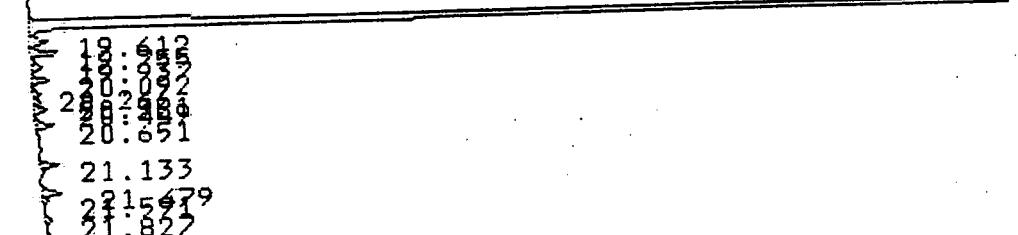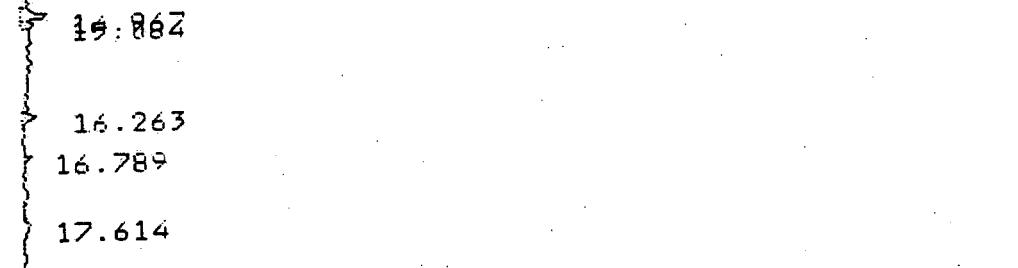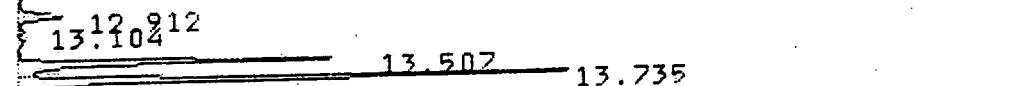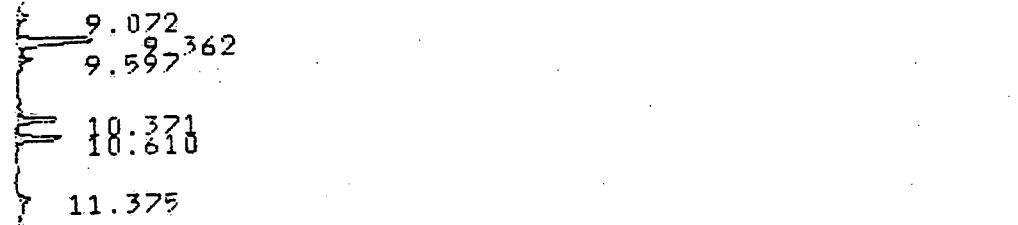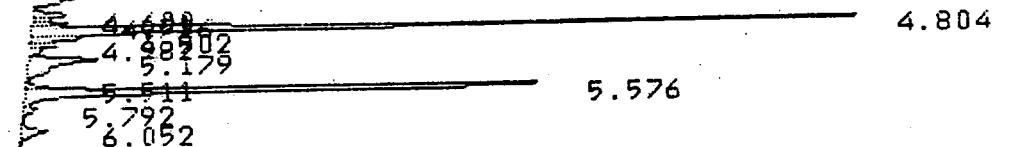
IEA GC/FID Standard Report

5

Sample Name	: METHOD BLANK WG9780	Report No : 23.00
Result File	: /DATA/LOOP/RESULT/D3AT05F_004.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 25.00 Mins. Injected on Mon Mar 31, 1997 4:05:16 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Subseq/Sample	: 1/ 4	Bottle no. : 4

% Dil-Fact
   100.00

Run Status : RunStatusOK
             EndOffBaseline

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.60		.055672	10872	BV	.6623	
2	4.66		.039122	3559	VV	.2168	
3	4.73		.049817	9186	VV	.5596	
4	4.80		.047267	212815	VV	12.9644	
5	4.90		.047588	12109	VV	.7376	
6	4.98		.056467	7930	VV	.4831	
7	5.18		.116924	39946	VV	2.4335	
8	5.51		.035907	3651	VV	.2224	
9	5.58		.050155	149186	VV	9.0882	
10	5.79		.073340	4757	VV	.2898	
11	6.05		.087668	11317	VV	.6894	
12	6.77		.060796	6287	PV	.3830	
13	6.89		.062339	9719	VV	.5921	
14	6.98		.083002	5729	VV	.3490	
15	7.22		.075102	22037	VV	1.3425	
16	7.32		.084337	15122	VV	.9212	
17	7.76		.071008	10086	VV	.6144	
18	7.88		.096223	8415	VV	.5126	
19	8.11		.081205	3878	VV	.2363	
20	8.25		.101665	13431	VV	.8182	
21	8.53		.050847	225972	VV	13.7659	
22	9.07		.094821	5409	VV	.3295	
23	9.36		.070884	28591	PV	1.7417	
24	9.60		.051541	3282	VV	.1999	
25	10.37		.053161	12526	VV	.7630	
26	10.61	/	.051708	12659	VV	.7712	
27	11.37		.081195	3926	PV	.2392	
28	12.91		.074642	16730	PV	1.0192	
29	13.10		.048954	1510	VV	.0920	
30	13.51		.058890	99109	PV	6.0376	
31	13.73		.054481	165194	VV	10.0634	
32	14.97		.077046	10981	VV	.6689	
33	15.08		.093009	5794	VV	.3529	
34	16.26		.079110	6024	VV	.3670	
35	16.79		.051660	2393	PV	.1458	
36	17.61		.020121	359	BV	.0219	
37	19.41		.047131	410422	VV	25.0024	

IEA GC/FID Standard Report

DB 5

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	19.61		.068595	6187	UU	.3769	
39	19.75		.053409	9001	UU	.5483	
40	19.94		.056409	3517	UU	.2142	
41	20.09		.053266	5220	UU	.3180	
42	20.27		.075486	2521	PU	.1535	
43	20.36		.053597	1805	UU	.1100	
44	20.45		.055511	3846	UU	.2343	
45	20.65		.062266	5964	UU	.3633	
46	21.13		.047849	4426	PU	.2696	
47	21.48		.060394	5856	BU	.3567	
48	21.59		.054700	1578	UU	.0961	
49	21.83		.055113	2190	PU	.1334	
50	22.74		.053186	1737	PU	.1058	
51	22.94		.063168	15212	UU	.9267	
52	23.44		.088333	1560	PU	.0950	

Total Area   :   1641534   Total PPM   :   100.000

Report Time : Mon Mar 31, 1997 4:31:06 pm
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/D3AT05F_004.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102___   Date Sampled: ___NA____

IEA Sample No: __BLANK SPIKE WG9780   Date Received: ___NA____

Client Sample No: _BLANK SPIKE__   Date Extracted: 03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: 03/31/97_

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 12 mg/kg.

Comments:

==

DB 5
Sample Name   : BLANK SPIKE WG9780   Inj on Mon Mar 31, 1997 4:39:39 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_005.RES   INSTRUMENT : HP58
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

IEA GC/FID Standard Report

DB 5
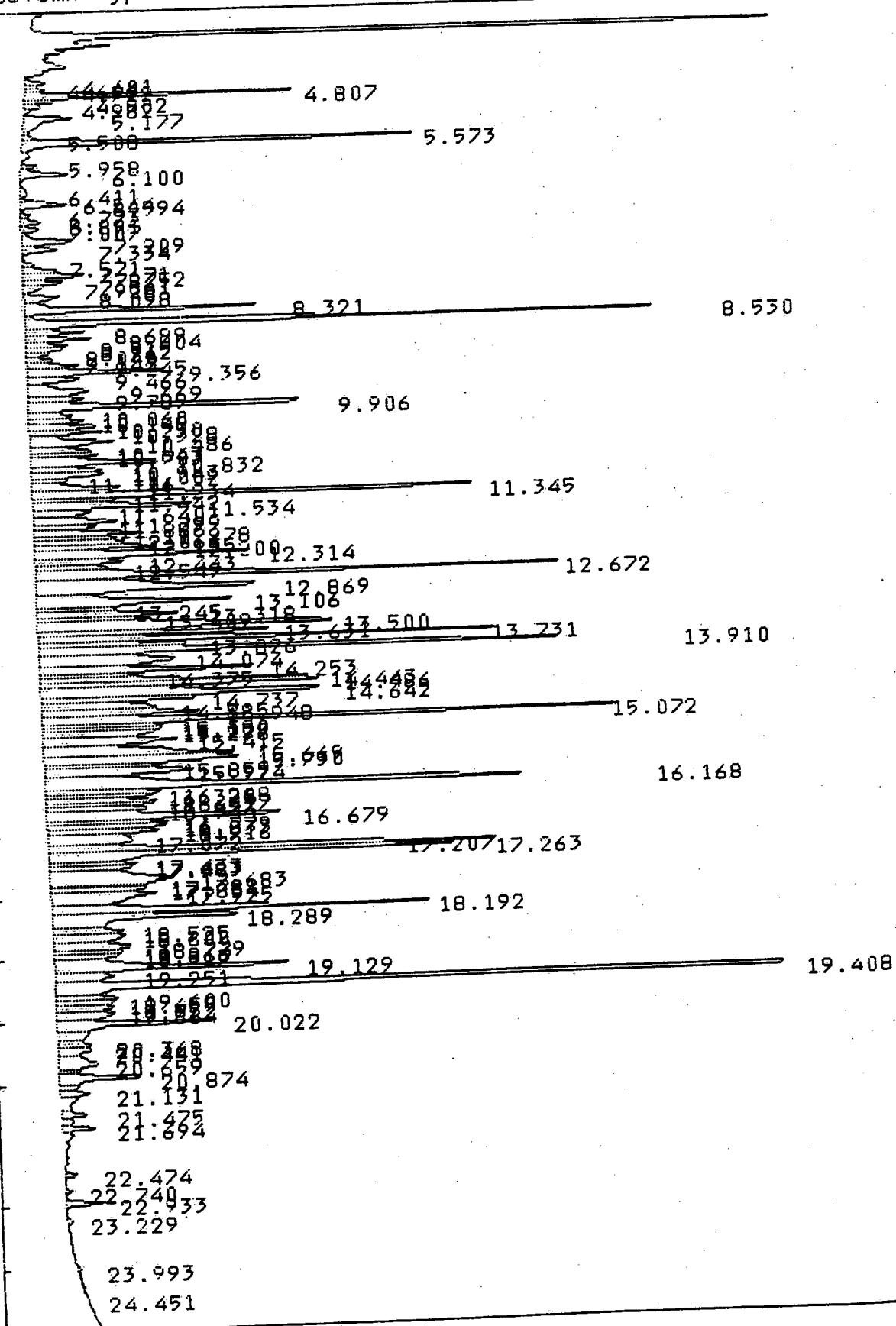
Sample Name	: BLANK SPIKE WG9780	Report No : 24.00
Result File	: /DATA/LOOP/RESULT/D3AT05F_005.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903A	
Calculation	: Zero	
Run Time	: 25.00 Mins. Injected on Mon Mar 31, 1997 4:39:39 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S3AT05F.SEQ	
Subseq/Sample	: 1/ 5	Bottle no. : 5

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.60		.055412	8100	BV	.0897	
2	4.67		.037693	2925	VV	.0324	
3	4.72		.052956	7180	VV	.0795	
4	4.81		.049684	95545	VV	1.0582	
5	4.90		.051316	10779	VV	.1194	
6	4.98		.055932	6046	VV	.0670	
7	5.18		.116783	36624	VV	.4056	
8	5.51		.044294	4007	VV	.0444	
9	5.57		.050625	140527	VV	1.5563	
10	5.96		.054038	6305	VV	.0698	
11	6.10		.069477	22687	VV	.2513	
12	6.41		.116057	5272	PV	.0584	
13	6.54		.041652	6410	VV	.0710	
14	6.59		.057877	17904	VV	.1983	
15	6.77		.060276	4416	PV	.0489	
16	6.89		.063876	8977	VV	.0994	
17	7.01		.077720	8589	VV	.0951	
18	7.21		.090798	29248	VV	.3239	
19	7.33		.079464	17191	VV	.1904	
20	7.57		.053378	4173	VV	.0462	
21	7.67		.067028	15027	VV	.1664	
22	7.75		.074296	30359	VV	.3362	
23	7.86		.065204	17779	VV	.1969	
24	7.93		.079539	9498	VV	.1052	
25	8.10		.096748	22107	VV	.2448	
26	8.32		.064869	98458	VV	1.0904	
27	8.53		.052780	221720	VV	2.4555	
28	8.70		.064773	26210	VV	.2903	
29	8.80		.069321	30299	VV	.3356	
30	8.91		.065171	17053	VV	.1889	
31	8.96		.052241	12164	VV	.1347	
32	9.04		.065140	9707	VV	.1075	
33	9.15		.062650	10576	VV	.1171	
34	9.25		.066574	22458	VV	.2487	
35	9.36		.073413	67425	VV	.7467	
36	9.47		.085701	29791	VV	.3299	
37	9.67		.128639	49514	VV	.5484	

IEA GC/FID Standard Report

DB 5

Pk # RT	ID-tm	Peak Width	Area	Code	PPM	Name
38	9.79	.077824	28007	UU	.3102	
39	9.91	.056486	126040	UU	1.3959	
40	10.06	.074824	21100	UU	.2337	
41	10.15	.078315	28403	UU	.3146	
42	10.23	.079562	35327	UU	.3912	
43	10.33	.064510	31207	UU	.3456	
44	10.49	.110409	60269	UU	.6675	
45	10.64	.076810	29701	UU	.3289	
46	10.70	.062910	27664	UU	.3064	
47	10.83	.082196	77764	UU	.8612	
48	10.94	.067528	31147	UU	.3449	
49	11.01	.080037	36706	UU	.4065	
50	11.11	.056231	13592	UU	.1505	
51	11.23	.084628	50057	UU	.5544	
52	11.35	.061516	205671	UU	2.2778	
53	11.44	.049980	25936	UU	.2872	
54	11.53	.073770	80730	UU	.8941	
55	11.64	.099379	37188	UU	.4119	
56	11.80	.096290	51994	UU	.5758	
57	11.89	.072303	28946	UU	.3206	
58	11.98	.072430	50578	UU	.5602	
59	12.07	.063607	32892	UU	.3643	
60	12.14	.061917	35982	UU	.3985	
61	12.20	.065961	53881	UU	.5967	
62	12.31	.084233	115775	UU	1.2822	
63	12.44	.087499	49470	UU	.5479	
64	12.55	.061879	28249	UU	.3129	
65	12.67	.063178	224017	UU	2.4810	
66	12.87	.135330	206499	UU	2.2870	
67	13.11	.111970	142664	UU	1.5800	
68	13.24	.041195	20056	UU	.2221	
69	13.32	.084096	76213	UU	.8441	
70	13.41	.052895	37931	UU	.4201	
71	13.50	.090174	192875	UU	2.1361	
72	13.63	.064694	105400	UU	1.1673	
73	13.73	.055758	174608	UU	1.9338	
74	13.83	.058264	62097	UU	.6877	
75	13.91	.060933	239468	UU	2.6521	
76	14.07	.170616	144558	UU	1.6010	
77	14.25	.081985	113334	UU	1.2552	
78	14.38	.050203	31971	UU	.3541	
79	14.44	.054188	96288	UU	1.0664	
80	14.49	.065110	115939	UU	1.2840	
81	14.64	.099104	200809	UU	2.2239	
82	14.74	.057491	56351	UU	.6241	
83	14.89	.108895	77872	UU	.8624	
84	14.95	.079284	81871	UU	.9067	
85	15.07	.060301	234283	UU	2.5947	
86	15.18	.058662	43764	UU	.4847	
87	15.23	.056694	41884	UU	.4639	
88	15.28	.081675	57407	UU	.6358	
89	15.41	.129814	110687	UU	1.2259	
90	15.67	.118431	147675	UU	1.6355	

IEA GC/FID Standard Report

P#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
91	15.73		.100616	127476	UU	1.4118	
92	15.86		.051548	38029	UU	.4212	
93	15.92		.099968	95208	UU	1.0544	
94	16.17		.077489	282916	UU	3.1333	
95	16.27		.066643	49062	UU	.5434	
96	16.32		.061343	41477	UU	.4594	
97	16.42		.063008	43539	UU	.4822	
98	16.46		.058066	39263	UU	.4348	
99	16.54		.080782	52533	UU	.5818	
10	16.68		.087366	143687	UU	1.5913	
101	16.78		.060976	46660	UU	.5168	
10	16.83		.070645	52797	UU	.5847	
103	16.92		.074806	52721	UU	.5839	
10	17.07		.143681	75661	UU	.8379	
105	17.21		.056714	177706	UU	1.9681	
10	17.26		.067202	178842	UU	1.9807	
107	17.43		.065865	36175	UU	.4006	
10	17.48		.063370	32388	UU	.3587	
109	17.68		.186681	144946	UU	1.6053	
11	17.78		.040483	24096	UU	.2669	
111	17.83		.068532	40947	UU	.4535	
11	17.93		.158488	108442	UU	1.2010	
113	18.19		.065300	161783	UU	1.7917	
	18.29		.097247	126770	UU	1.4040	
5	18.52		.085148	38618	UU	.4277	
11	18.60		.129940	57842	UU	.6406	
117	18.78		.110711	54550	UU	.6041	
11	18.87		.060080	26256	UU	.2908	
119	18.92		.068494	27790	UU	.3078	
12	19.13		.087742	153258	UU	1.6973	
121	19.25		.111272	42177	UU	.4671	
12	19.41		.051421	475846	UU	5.2700	6 TERPHENYL
123	19.60		.076832	30685	UU	.3398	
12	19.66		.077205	27482	UU	.3044	
125	19.75		.082667	30236	UU	.3349	
12	19.86		.127118	47338	UU	.5243	
127	20.02		.077581	80479	UU	.8913	
12	20.37		.093582	19887	UU	.2202	
129	20.44		.101452	21147	UU	.2342	
13	20.66		.150698	38169	UU	.4227	
131	20.87		.085340	52661	UU	.5832	
13	21.13		.072843	13794	UU	.1528	
133	21.48		.071315	12474	UU	.1382	
13	21.69		.062155	15111	UU	.1674	
135	22.47		.059161	5137	UU	.0569	
13	22.74		.051974	2215	UU	.0245	
137	22.93		.061328	15635	UU	.1732	
13	23.23		.070083	2435	BV	.0270	
139	23.99		.046880	1191	BV	.0132	
	24.45		.291886	-1406	PV	-.0156	

Total Area   :   9029392   Total PPM   :   99.984

Report Time   : Mon Mar 31, 1997 5:05:32 pm

Method   : /DATA/LOOP/METHOD/HP58903ATPHN

                    IEA GC/FID Standard Report

DB 5
Result File   : /DATA/LOOP/RESULT/D3AT05F_005.RE

                    IEA GC/FID Standard Report

                 : /DATA/LOOP/RESULT/D3AT05F_005.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: __71102006MS__   Date Received: __03/11/97__

Client Sample No: __SS03MS__   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 4400 mg/kg.

Comments: The sample was analyzed with a 50 fold dilution.

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of Gasoline. The concentration is 16 mg/kg.

Comments:

IEA GC/FID Standard Report

Sample Name   : 71102006MS;SS03MS;G;   Purged on Tue Mar 25, 1997 2:3-:50
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_011.RES   INSTRUMENT: HP5890A
Column Type   : DBWAX 30m 0.53mm ID   Purged Vol. : 5 ml

4.143

4.798

5.366

5.867

6.655

7.461
7.642
7.768

8.408
8.673

9.109

9.416

9.661 9.754

10.029

10.333

10.599

10.874
11.055
11.234

11.383

11.500
11.702
11.845
11.998
12.102
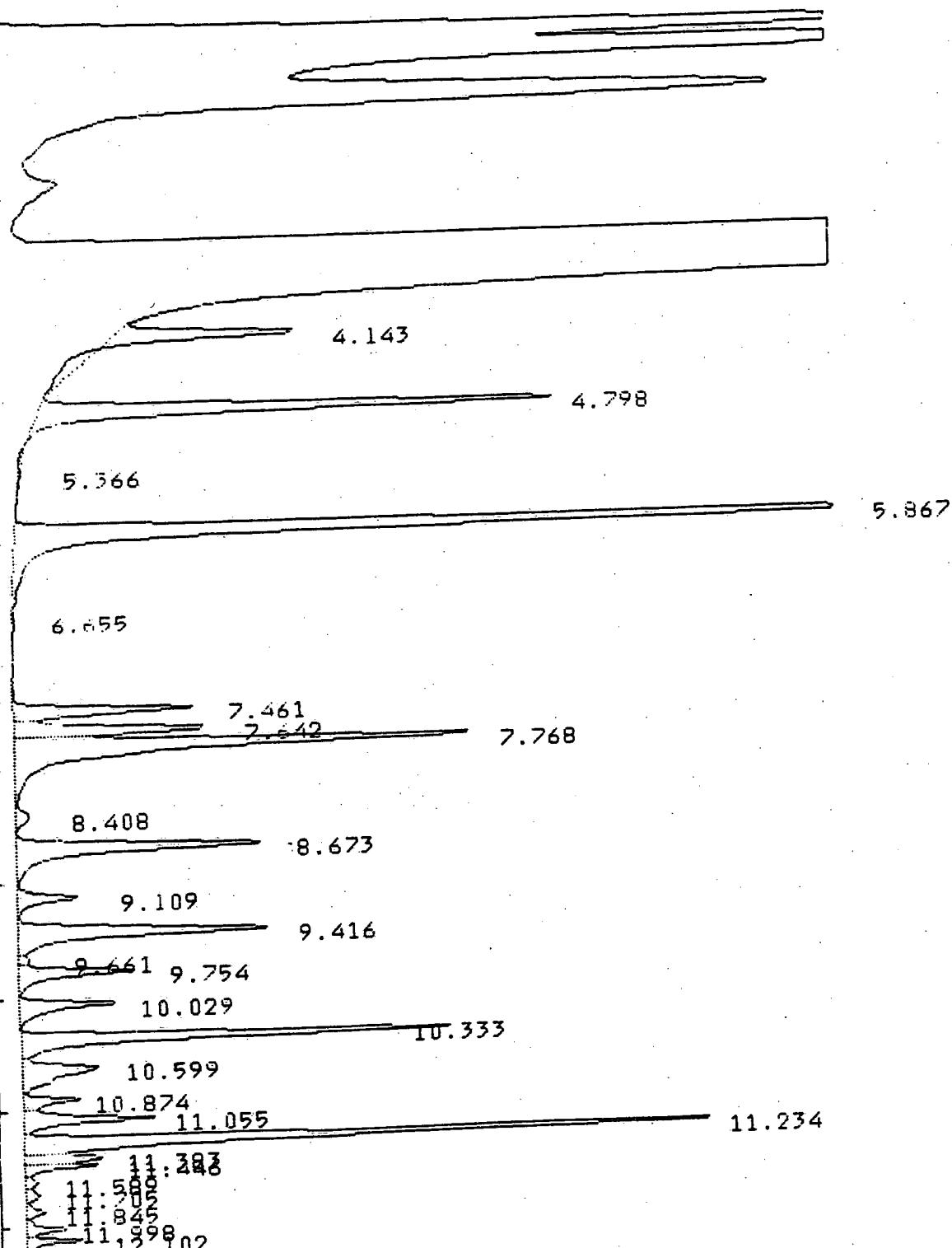
IEA GC/FID Standard Report

		Report No : 11.20
Sample Name	: 71102006MS;SS03MS;G;	
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_011.RES	
Column Type	: DBWAX 30m 0.53 ID	Purge Vol. : 5 ml
Instrument	: HP58905A	
Calculation	: Zero	
Run Time	: 20.00 Mins. Purged on Tue Mar 25, 1997 2:34:50 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ	
Subseq/Sample	: 1/ 11	ALS no. : 12

% Dil-Fact
   100.00

Run Status   : EndOffBaseline
                  SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.14		.053799	63280	BV	2.3221	
2	4.80		.085811	295261	PB	10.8346	~~TFT~~
3	5.37		.088387	1282	BV	.0470	
4	5.87		.087113	629256	PV	23.0906	
5	6.66		.092556	1244	PV	.0457	
6	7.46		.080422	95859	PV	3.5176	
7	7.64		.080235	102682	VV	3.7679	
8	7.77		.108761	332388	VV	12.1970	
9	8.41		.126115	10972	VV	.4026	
10	8.67		.101894	165405	VV	6.0696	
11	9.11		.085949	34541	VV	1.2675	
12	9.42		.095759	158952	VV	5.8328	
13	9.66		.059728	4323	VV	.1586	
14	9.75		.080347	60981	VV	2.2377	
15	10.03		.081146	54600	VV	2.0036	
16	10.33		.064988	190479	VV	6.9897	
17	10.60		.128329	65507	VV	2.4038	
18	10.87		.074061	28727	VV	1.0541	
19	11.05		.069315	61494	VV	2.2565	
20	11.23		.050933	250726	VV	9.2004	
21	11.38		.055760	29870	VV	1.0961	
22	11.45		.057038	27711	VV	1.0169	
23	11.59		.066571	5260	VV	.1930	
24	11.71		.072504	7010	VV	.2572	
25	11.84		.063225	7991	VV	.2932	
26	12.00		.058092	16185	VV	.5939	
27	12.10		.060748	23170	VV	.8502	

Total Area   :   2725155   Total PPM   :   100.000

Report Time	: Tue Apr 1, 1997 10:46:40 am
Method	: /DATA/LOOP/METHOD/HP58905AG5.M
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_011.

IEA GC/FID Standard Report

DB 5
Sample Name   : 7110200bMS SS03MS 50XDL Inj on Tue Apr 1, 1992 3:24:05 pm
Result File   : /DATA/LOOP/RESULT/D3AT05F_023.RES   INSTRUMENT : HP58-
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul

5.400
5.578
6.083
6.490

7.741
8.316
9.169

10.391

11.326

11.459

12.835
13.073

14.413
14.512
14.831
15.240
15.393
16.464
16.560
16.891
17.022
17.576
18.116
18.195
18.670
18.967
19.158
19.367
20.017
20.217
20.292
23.048

IEA GC/FID Standard Report

DB 5
Sample Name   : 71102006MS SS03MS 50XDL   Report No : 43.11
Result File   : /DATA/LOOP/RESULT/D3AT05F_023.RES
Column Type   : DB-5 30m 0.53mm ID   Inj. Vol. : 1 ul
Instrument   : HP58903A
Calculation   : Zero
Run Time   : 25.00 Mins.   Injected on Tue Apr 1, 1997 3:29:05 pm
Sequence File   : /DATA/LOOP/SEQUENCE/S3AT05F.SEQ
Subseq/Sample   : 1/ 23   Bottle no. : 23

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                    EndOffBaseline
                    SpecialInteg

Pk	RT	ID-tm	Peak Width	Area	Code	PF%	Name
1	5.15		0.000000	3509	UU	.0081	
2	5.30		0.000000	8437	UU	.0194	
3	5.58		0.000000	10401	UU	.0239	
4	6.05		0.000000	3035	UB	.0070	
5	6.49		0.000000	13203	BV	.0303	
6	7.74		0.000000	2424	BV	.0056	
7	7.84		0.000000	3088	UB	.0071	
8	8.05		0.000000	3892	BV	.0089	
9	8.31		0.000000	21930	UU	.0504	
10	8.42		0.000000	4555	UU	.0105	
11	8.78		0.000000	2001	UU	.0046	
12	9.02		0.000000	6524	UU	.0150	
13	9.17		0.000000	35705	PV	.0820	
14	9.33		0.000000	3438	UU	.0079	
15	9.63		0.000000	3890	PU	.0089	
16	9.77		0.000000	2406	UU	.0055	
17	9.82		0.000000	1859	UU	.0043	
18	9.91		0.000000	4295	UU	.0099	
19	10.39		0.000000	2023	PH	.0046	
20	10.62		0.000000	2859	PH	.0066	
21	10.79		0.000000	11641	HH	.0267	
22	10.88		0.000000	13079	HH	.0300	
23	10.97		0.000000	4008	HH	.0092	
24	11.21		0.000000	2494	HH	.0057	
25	11.33		0.000000	194673	HH	.4470	
26	11.46		0.000000	15808	HH	.0363	
27	11.97		0.000000	7273	HH	.0167	
28	12.12		0.000000	5957	HH	.0137	
29	12.19		0.000000	5667	HH	.0130	
30	12.30		0.000000	11749	HH	.0270	
31	12.43		0.000000	12018	HH	.0276	
32	12.65		0.000000	12235	HH	.0281	
33	12.84		0.000000	111246	HH	.2554	
34	13.07		0.000000	101252	HH	.2325	
35	13.48		0.000000	18127	HH	.0416	
36	13.51		0.000000	13694	HH	.0314	

IEA GC/FID Standard Report

DB 5

Pk	RT	ID=tm	Peak Width	Area	Code	PFm	Name
37	13.71		0.000000	14631	HH	.0336	
38	13.90		0.000000	8336	HH	.0191	
39	13.89		0.000000	39882	HH	.0916	
40	14.09		0.000000	53356	HH	.1225	
41	14.22		0.000000	63320	HH	.1454	
42	14.33		0.000000	12338	HH	.0283	
43	14.41		0.000000	125960	HH	.2892	
44	14.53		0.000000	27980	HH	.0642	
45	14.66		0.000000	73893	HH	.1697	
46	14.83		0.000000	221647	HH	.5089	
47	15.05		0.000000	21335	HH	.0490	
48	15.14		0.000000	29248	HH	.0672	
49	15.24		0.000000	404291	HH	.9283	
50	15.38		0.000000	71790	HH	.1648	
51	15.53		0.000000	45694	HH	.1049	
52	15.59		0.000000	179460	HH	.4120	
53	15.70		0.000000	54915	HH	.1261	
54	15.90		0.000000	111596	HH	.2562	
55	16.09		0.000000	48581	HH	.1115	
56	16.14		0.000000	56987	HH	.1308	
57	16.35		0.000000	442583	HH	1.0162	
58	16.56		0.000000	190665	HH	.4378	
59	16.64		0.000000	88385	HH	.2029	
60	16.74		0.000000	118131	HH	.2712	
61	16.89		0.000000	133658	HH	.3069	
62	17.02		0.000000	74307	HH	.1706	
63	17.20		0.000000	140191	HH	.3219	
64	17.35		0.000000	74734	HH	.1716	
65	17.58		0.000000	195666	HH	.4493	
66	17.66		0.000000	135391	HH	.3109	
67	17.78		0.000000	124373	HH	.2970	
68	17.91		0.000000	87287	HH	.2004	
69	17.95		0.000000	76928	HH	.1766	
70	18.07		0.000000	93587	HH	.2149	
71	18.12		0.000000	123077	HH	.2826	
72	18.20		0.000000	241369	HH	.5542	
73	18.47		0.000000	2282010	HS	5.2395	
74	18.57		0.000000	828539	HS	1.9023	
75	18.67		0.000000	119970	HS	.2755	
76	18.76		0.000000	168218	FF	.3862	
77	18.97		0.000000	396985	FF	.9115	
78	19.05		0.000000	128165	FF	.2943	
79	19.16		0.000000	341452	FF	.7840	
80	19.37		0.000000	170026	FF	.3904	
81	19.56		0.000000	391671	FF	.8993	
82	19.62		0.000000	425244	FF	.9764	
83	19.70		0.000000	260986	FF	.5992	
84	19.83		0.000000	1018659	FF	2.3388	
85	20.02		0.000000	219595	FF	.5042	
86	20.11		0.000000	119618	FF	.2746	
87	20.22		0.000000	365441	FF	.8391	
88	20.29		0.000000	257454	FF	.5911	
89	20.39		0.000000	138614	FF	.3183	

IEH GC/FID Standard Report

5

Pk RT	IC-tm	Peak Width	Area	Code	PPM	Name
90 20.47		0.000000	90908	FF	.2087	
91 20.56		0.000000	221348	FF	.5082	
92 20.65		0.000000	308620	FF	.7086	
93 20.83		0.000000	406068	FF	.9323	
94 20.89		0.000000	364281	FF	.8364	
95 21.01		0.000000	412420	FF	.9469	
96 21.15		0.000000	3633754	HS	8.3431	
97 21.28		0.000000	299223	HS	.6870	
98 21.34		0.000000	200073	HS	.4594	
99 21.47		0.000000	458942	HS	1.0537	
100 21.64		0.000000	3664621	HS	8.4140	
101 21.72		0.000000	147739	HS	.3392	
102 21.77		0.000000	426477	HS	.9792	
103 21.90		0.000000	341289	HS	.7836	
104 21.99		0.000000	488869	HS	1.1224	
105 22.14		0.000000	818121	HS	1.8784	
106 22.27		0.000000	137546	HS	.3158	
107 22.39		0.000000	1281146	HS	2.9415	
108 22.53		0.000000	891197	HS	2.0462	
109 22.62		0.000000	992977	HS	2.2799	
110 22.76		0.000000	218765	HS	.5023	
111 22.83		0.000000	394854	HS	.9066	
112 22.89		0.000000	684521	HS	1.5717	
113 23.05		0.000000	502007	HS	1.1526	
114 23.17		0.000000	206966	HS	.4752	
115 23.34		0.000000	932490	HS	2.1410	
116 23.54		0.000000	920860	HS	2.1143	
117 23.64		0.000000	200082	HS	.4594	
118 23.69		0.000000	212075	HS	.4869	
119 23.77		0.000000	572604	HS	1.3147	
120 23.85		0.000000	1275157	HS	2.9278	
121 23.99		0.000000	569090	HS	1.3066	
122 24.13		0.000000	550627	HS	1.2642	
123 24.30		0.000000	2639945	HS	6.0613	
124 24.39		0.000000	2704650	HS	6.2099	
125 24.58		0.000000	887065	HS	2.0367	
126 24.67		0.000000	346770	HS	.7962	
127 24.74		0.000000	635185	HS	1.4584	
128 24.84		0.000000	745410	HS	1.7115	
129 24.93		0.000000	445587	HS	1.0231	

Total Area   :   43553920   Total PPM   :   100.000

Report Time   : Thu Apr 3, 1997 6:58:01 am
Method   : /DATA/LOOP/METHOD/HP58903ATPHN
Result File   : /DATA/LOOP/RESULT/D3AT05F_023.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
## Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __03/11/97__

IEA Sample No: ____71102007MSD____   Date Received: __03/11/97__

Client Sample No: ____SS03MSD____   Date Extracted: __03/25/97__

Extraction (SW846 - 3550) / GC-FID analysis (for #2 fuel oil, kerosene, varsol).

Date Analyzed: __04/01/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of #2 fuel oil. The concentration is 4700 mg/kg.

Comments: The sample was analyzed with a 50 fold dilution.

==

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only).

Date Analyzed: __03/25/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of Gasoline. The concentration is 19 mg/kg.

Comments:

IEA GC/FID Standard Report

4.153

4.809

5.379

5.877

6.304
6.483
6.670
6.819
7.010

7.351
7.485
7.664
7.794

8.423

8.684

9.114
9.282
9.421

9.651 9.757

10.034

10.245

10.335

10.598
10.718
10.872

11.058

11.239

11.380
11.450

11.585
11.828

11.996
12.098
12.131
12.317
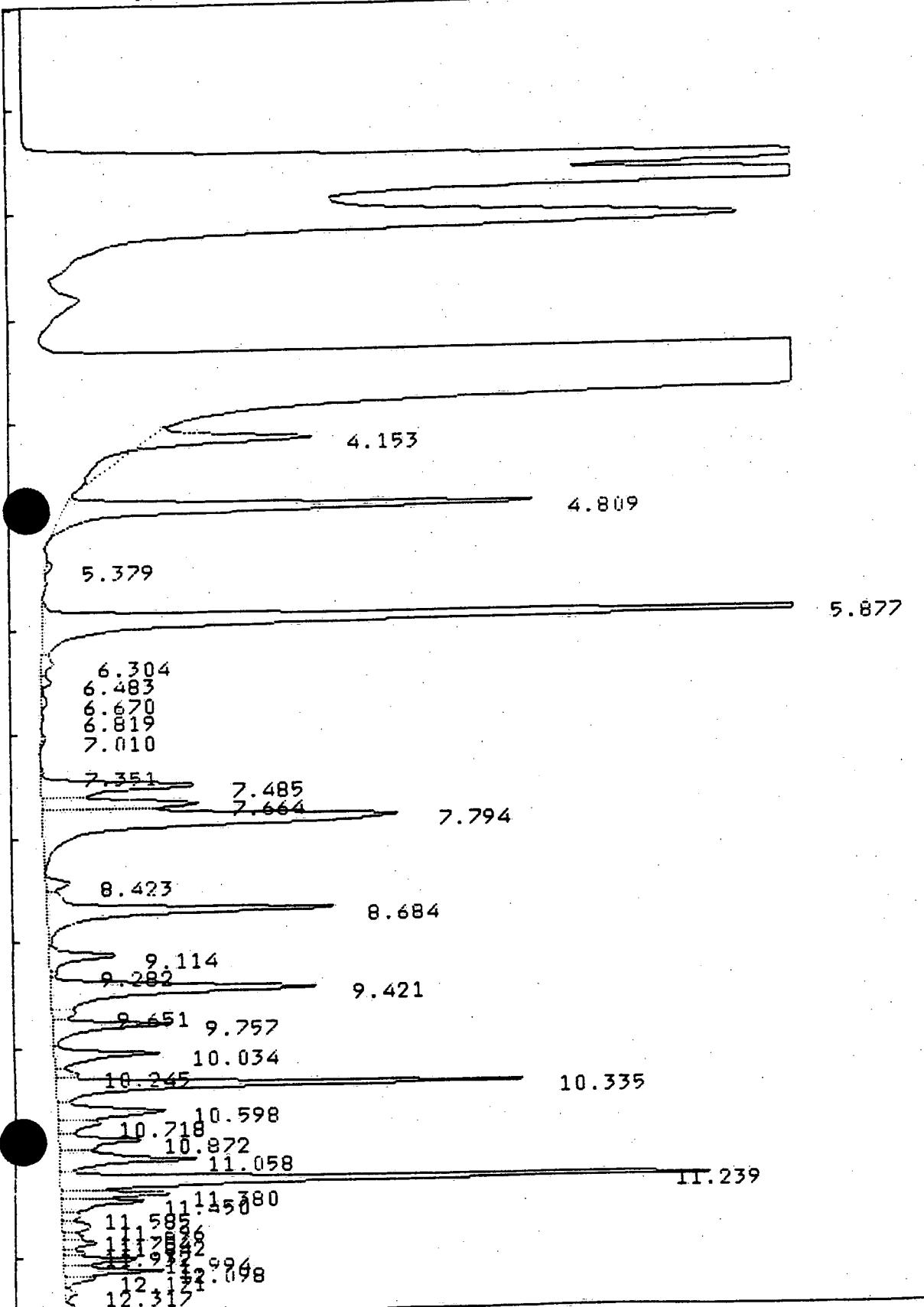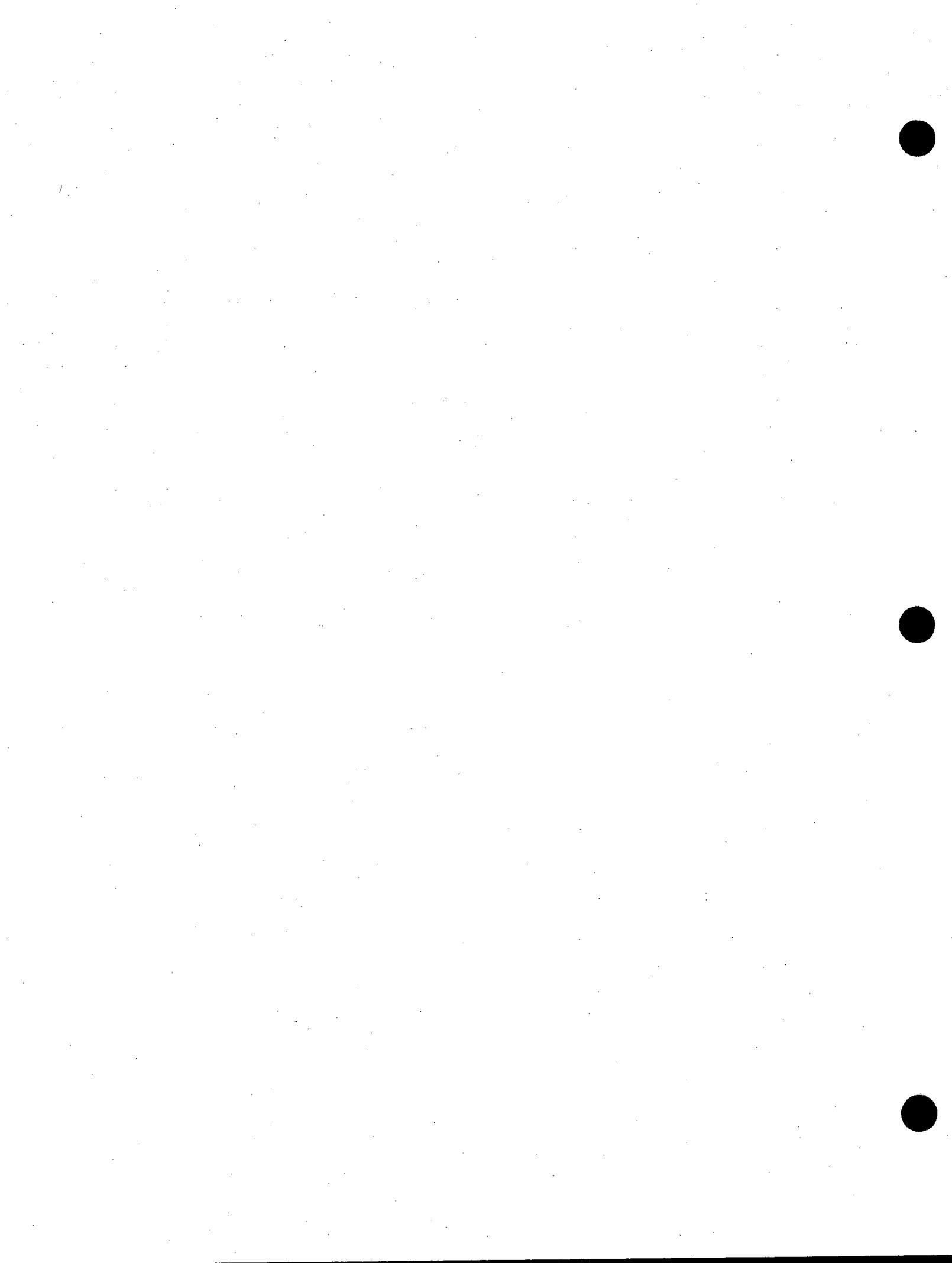
IEA GC/FID Standard Report

Sample Name	: 71102007MSD;SS03MSD;G;	Report No : 12.20	
Result File	: /DATA/LOOP/RESULT/D5AGAS07C_012.RES		
Column Type	: DBWAX 30m 0.53 ID	Purge Vol. : 5 ml	
Instrument	: HP58905A		
Calculation	: Zero		
Run Time	: 20.02 Mins. Purged on Tue Mar 25, 1997 2:56:54 pm		
Sequence File	: /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ		
Sunseq/Sample	: 1/ 12	ALS no. : 13	

% Dil-Fact
   100.00

Run Status   : EndOffBaseline
                SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.15		.055157	64049	BV	2.0176	
2	4.81		.092334	311978	PV	9.8275	↲↲↲ TFT
3	5.38		.088709	3479	BV	.1096	
4	5.88		.087440	635582	PV	20.0212	
5	6.30		.115106	10142	UV	.3195	
6	6.48		.092587	6783	UV	.2137	
7	6.67		.110035	4347	UV	.1369	
8	6.82		.067303	1032	PV	.0325	
9	7.01		.085874	2118	BV	.0667	
10	7.35		.069100	1378	UV	.0434	
11	7.49		.093713	103084	UV	3.2472	
12	7.66		.080303	90095	UV	2.8381	
13	7.79		.145191	366362	UV	11.5406	
14	8.42		.086652	15201	UV	.4788	
15	8.68		.096424	200087	UV	6.3029	
16	9.11		.086628	41480	UV	1.3066	
17	9.28		.052780	2501	UV	.0788	
18	9.42		.103348	195810	UV	6.1681	
19	9.65		.069819	11875	UV	.3741	
20	9.76		.084186	71963	UV	2.2669	
21	10.03		.081255	62335	UV	1.9636	
22	10.24		.076787	12385	UV	.3901	
23	10.34		.064696	220621	UV	6.9497	
24	10.60		.095632	73566	UV	2.3174	
25	10.72		.084496	25550	UV	.8048	
26	10.87		.082602	51009	UV	1.6068	
27	11.06		.080040	81818	UV	2.5773	
28	11.24		.052846	275872	UV	8.6901	
29	11.38		.051818	42934	UV	1.3524	
30	11.45		.071087	43268	UV	1.3630	
31	11.59		.059432	8240	UV	.2596	
32	11.70		.094860	18304	UV	.5766	
33	11.78		.045423	6500	UV	.2048	
34	11.84		.058721	14822	UV	.4669	
35	11.93		.044768	7479	UV	.2356	
36	11.99		.052947	29620	UV	.9330	
37	12.10		.057546	41566	UV	1.3093	

IEA GC/FID Standard Report

Pk# RT	ID-tm	Peak Width	Area	Code	PPM	Name
38 12.17		.059947	13421	UV	.4228	
39 12.32		.058272	5885	UV	.1854	

Total Area   :   3174540   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:48:59 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_012.

IEA GC/FID Standard Report

5.269
5.574

6.485

7.528
8.804
8.515

9.017
9.326 9.168
8.519
9.809

10.388
10.614
10.665
11.457

11.962
12.837
13.072

14.401
14.881
14.884 221 14.412
14.830
14.662 14.829
15.042 15.238
15.328
15.535
15.591
15.900
16.435 16.351
16.558
16.638 16.887
17.019
17.149 198
17.425 574
18.113 18.193 18.473
18.258 18.667 18.958
19.050 19.150
19.362 19.813
20.080 009 20.209
20.277
20.384 20.546 20.636 20.811
21.140
21.282 21.472
21.710
22.266
23.047 23.042
23.799
24.792

IEH GC/FID Standard Report

DB 5

Sample Name	: 71102007MSD SS03MSD 50XDL	Report No : 44.11
Result File	: /DATA/LOOP/RESULT/D3HTU5F_024.RES	
Column Type	: DB-5 30m 0.53mm ID	Inj. Vol. : 1 ul
Instrument	: HP58903H	
Calculation	: Zero	
Run Time	: 25.02 Mins. Injected on Tue Apr 1, 1997 4:17:50 pm	
Sequence File	: /DATA/LOOP/SEQUENCE/S3ATU5F.SEQ	
Subseq/Sample	: 1/ 24	Bottle no. : 24

% Dil-Fact
  100.00

Run Status   : RunStatusOK
                  EndOffBaseline
                  SpecialInteg

Pk	RT	ID-tm	Peak Width	Area	Code	PPb	Name
1	5.14		0.000000	959	PV	.0021	
2	5.21		0.000000	558	VB	.0012	
3	5.57		0.000000	10728	PV	.0231	
4	6.49		0.000000	12946	BV	.0279	
5	7.74		0.000000	2030	BV	.0044	
6	7.84		0.000000	2924	VB	.0063	
7	8.09		0.000000	3841	BV	.0083	
8	8.30		0.000000	21001	VV	.0453	
9	8.51		0.000000	3932	VV	.0085	
10	9.02		0.000000	4965	BV	.0107	
11	9.17		0.000000	34410	PV	.0742	
12	9.33		0.000000	2406	VV	.0052	
13	9.62		0.000000	4183	BV	.0090	
14	9.76		0.000000	2373	VV	.0051	
15	9.91		0.000000	4609	VV	.0099	
16	10.39		0.000000	2312	HH	.0060	
17	10.61		0.000000	2609	PH	.0056	
18	10.79		0.000000	11672	HH	.0252	
19	10.88		0.000000	14163	HH	.0305	
20	10.97		0.000000	4190	HH	.0090	
21	11.21		0.000000	2727	HH	.0059	
22	11.33		0.000000	154094	HH	.3323	
23	11.46		0.000000	14056	HH	.0303	
24	11.96		0.000000	6956	HH	.0150	
25	12.12		0.000000	6368	HH	.0137	
26	12.19		0.000000	5845	HH	.0126	
27	12.30		0.000000	11462	HH	.0247	
28	12.43		0.000000	10012	HH	.0216	
29	12.65		0.000000	12484	HH	.0269	
30	12.84		0.000000	99075	HH	.2136	
31	13.07		0.000000	90899	HH	.1960	
32	13.48		0.000000	17984	HH	.0388	
33	13.61		0.000000	14011	HH	.0302	
34	13.71		0.000000	14810	HH	.0319	
35	13.80		0.000000	7832	HH	.0169	
36	13.89		0.000000	39886	HH	.0860	

5

Pk #	RT	ID-tm	Peak Width	Area	Code	PPM		Name
37	14.09		0.000000	49273	HH		.1073	
38	14.02		0.000000	60547	HH		.1305	
39	14.33		0.000000	12089	HH		.0261	
40	14.41		0.000000	119642	HH		.2580	
41	14.53		0.000000	28357	HH		.0611	
42	14.56		0.000000	71471	HH		.1541	
43	14.83		0.000000	229969	HH		.4959	
44	15.05		0.000000	21223	HH		.0458	
45	15.14		0.000000	27985	HH		.0603	
46	15.24		0.000000	421742	HH		.9093	
47	15.38		0.000000	69228	HH		.1493	
48	15.53		0.000000	43768	HH		.0944	
49	15.59		0.000000	193789	HH		.4178	
50	15.70		0.000000	53856	HH		.1161	
51	15.90		0.000000	109902	HH		.2370	
52	16.08		0.000000	47581	HH		.1026	
53	16.14		0.000000	56420	HH		.1217	
54	16.35		0.000000	466463	HH		1.0058	
55	16.56		0.000000	190571	HH		.4109	
56	16.64		0.000000	89084	HH		.1921	
57	16.74		0.000000	123127	HH		.2655	
58	16.89		0.000000	144184	HH		.3109	
59	17.02		0.000000	74998	HH		.1617	
60	17.20		0.000000	138701	HH		.2991	
61	17.35		0.000000	70664	HH		.1524	
62	17.57		0.000000	201025	HH		.4334	
63	17.65		0.000000	137052	HH		.2955	
64	17.78		0.000000	132691	HH		.2861	
65	17.91		0.000000	93163	HH		.2009	
66	17.95		0.000000	80839	HH		.1743	
67	18.02		0.000000	109286	HH		.2356	
68	18.11		0.000000	130028	HH		.2804	
69	18.19		0.000000	255183	HH		.5502	
70	18.47		0.000000	2595535	HS		5.5964	
71	18.57		0.000000	916601	HS		1.9763	
72	18.67		0.000000	138723	HS		.2991	
73	18.76		0.000000	168717	FF		.3638	
74	18.96		0.000000	440673	FF		.9502	
75	19.05		0.000000	124877	FF		.2693	
76	19.15		0.000000	364243	FF		.7854	
77	19.37		0.000000	167891	FF		.3620	
78	19.56		0.000000	417516	FF		.9002	
79	19.62		0.000000	453749	FF		.9784	
80	19.70		0.000000	289187	FF		.6235	
81	19.81		0.000000	1174266	HS		2.5319	
82	20.01		0.000000	229269	HS		.4943	
83	20.10		0.000000	114787	HS		.2475	
84	20.21		0.000000	376662	HS		.8121	
85	20.28		0.000000	304611	HS		.6568	
86	20.38		0.000000	153847	HS		.3317	
87	20.47		0.000000	71403	HS		.1540	
88	20.56		0.000000	226074	HS		.4875	
89	20.64		0.000000	345055	HS		.7440	

IEA GC/FID Standard Report

DB 5

Pk	RT	ID-tm	Peak Width	Area	Code	PPM	Name
90	20.81		0.000000	396968	HS	.8559	
91	20.88		0.000000	418118	HS	.9015	
92	21.00		0.000000	431351	HS	.9301	
93	21.15		0.000000	3799893	HS	8.1932	
94	21.28		0.000000	530080	HS	1.1429	
95	21.47		0.000000	496041	HS	1.0696	
96	21.64		0.000000	3875992	HS	8.3573	
97	21.72		0.000000	148895	HS	.3210	
98	21.76		0.000000	443427	HS	.9561	
99	21.90		0.000000	378817	HS	.8168	
100	21.99		0.000000	535091	HS	1.1537	
101	22.14		0.000000	863051	HS	1.8609	
102	22.27		0.000000	132384	HS	.2854	
103	22.39		0.000000	1383270	HS	2.9826	
104	22.53		0.000000	944522	HS	2.0366	
105	22.62		0.000000	1085081	HS	2.3396	
106	22.76		0.000000	212997	HS	.4593	
107	22.83		0.000000	417051	HS	.8742	
108	22.89		0.000000	716670	HS	1.5453	
109	23.05		0.000000	734027	HS	1.5827	
110	23.34		0.000000	998190	HS	2.1523	
111	23.54		0.000000	981680	HS	2.1167	
112	23.64		0.000000	193898	HS	.4181	
113	23.69		0.000000	221097	HS	.4767	
114	23.77		0.000000	611197	HS	1.3178	
115	23.85		0.000000	694160	HS	1.4967	
116	23.88		0.000000	685762	HS	1.4786	
117	23.99		0.000000	625448	HS	1.3486	
118	24.12		0.000000	562635	HS	1.2131	
119	24.30		0.000000	2881519	HS	6.2130	
120	24.39		0.000000	2952945	HS	6.3671	
121	24.58		0.000000	903856	HS	1.9489	
122	24.66		0.000000	360154	HS	.7766	
123	24.74		0.000000	677491	HS	1.4608	
124	24.84		0.000000	793915	HS	1.7118	
125	24.93		0.000000	507473	HS	1.0942	

Total Area : 46378528   Total PPM : 100.000

Report Time : Thu Apr 3, 1997 7:01:10 am
Method : /DATA/LOOP/METHOD/HP58903ATPHN
Result File : /DATA/LOOP/RESULT/03AT05F_024.RE

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102___   Date Sampled: ___NA___

IEA Sample No: ___MB031897___   Date Received: ___NA___

Client Sample No: __METHOD BLANK___   Date Extracted: __NA___

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only)

Date Analyzed: 03/18/97

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 0.25 mg/L.

Comments:

IE+ GC FID Standard Report

4.802

5.889

11.242

11.956

14.788
15.153

15.793
16.065

16.673

17.180
17.824

18.623

Control - Instrument 0e will not continue. LAE A/D not ready
Instrument status is 07

●

IEA GC FID Standard Report

Report No : 18 0

Sample Name	: MS031897;G;
Result File	: /DATA/LOOP/RESULT/D5AGAS07B_003.RES
Column Type	: DBWAX 30m 0.53 ID Purge Vol. : 5 ml
Instrument	: HP58905H
Calculation	: Zero
Run Time	: 20.00 Mins. Purged on Tue Mar 18, 199 8: -:19 am
Sequence File	: /DATA/LOOP/SEQUENCE/S5AGAS07B.SEQ
Su seq sample	: 1/ 3 ALS no. : 4

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                    EndOffBaseline

Pk #	RT	10-in	Peak Width	Area	Code	PPM	Name
1	4 3		.0 265	298804	PU	46.0409	α PP
2	5.89		.081871	1038	PU	.1601	
3	11.24		.0 600	134673	UU	20.7717	
4	11.96		.177861	2309	UU	.3561	
5	14. 7		.059956	2094	UU	.32 4	
6	14.78		.059378	1410	UU	.2175	
7	15.18		.125883	25 4	UU	.39 5	
8	15.79		.123313	2294	UU	.3638	
9	16.0		.4 104	131153	UU	20.2289	
10	16.67		.365301	49315	UU	7.6063	
11	17.18		.16 793	11325	UU	1.7468	
12	17.37		.143223	8192	UU	1.2635	
13	17.5		.04 813	23 3	UU	.36 4	
14	18.62		.064726	1107	UU	.1708	

Total Area   :   648347   Total PPM :   100.000

Report Time	: Tue Mar 18, 1997 8:54:14 am
Method	: /DATA/LOOP/METHOD/HP58905AGAS.
Result File	: /DATA/LOOP/RESULT/D5AGAS07B_003.

●

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: __NA__

IEA Sample No: __MB032597__   Date Received: __NA__

Client Sample No: __METHOD BLANK__   Date Extracted: __NA__

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only)

Date Analyzed: __03/25/97__

Results:

The sample does not contain petroleum hydrocarbons in the distillation range of Gasoline. The quantitation limit is 2.5 mg/kg.

Comments:

IEA GC/FID Standard Report

.741

4.808

5.884

7.845

11.248

IEA GC/FID Standard Report

Sample Name   : MB032597;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_003.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.00 Mins.   Purged on Tue Mar 25, 1997 11:17:02 am
Sequence File : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample : 1/ 3   ALS no. : 4

% Dil-Fact
    100.00

Run Status   : RunStatusOK
                 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	.74		.085133	1011	VV	.2187	d-t TFT
2	4.81		.092298	290693	BB	62.9066	
3	5.88		.106444	6176	PV	1.3366	
4	7.85		.198460	2581	VV	.5584	
5	11.25		.053827	161642	PV	34.9797	

Total Area   :   462102   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:18:57 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_003.

Industrial & Environmental Analysts, Inc (IEA-NJ)
Petroleum Hydrocarbon Analysis
Method 8015M

IEA Project No: __20970-71102__   Date Sampled: ___NA___

IEA Sample No: __BS032597__   Date Received: __NA__

Client Sample No: __BLANK SPIKE__   Date Extracted: __NA__

===

Purge and Trap (SW846 - 5030) / GC-FID analysis (for gasoline only)

Date Analyzed: __03/25/97__

Results:

The sample contains petroleum hydrocarbons in the distillation range of Gasoline. The concentration is 10 mg/kg.

Comments:

IEA GC/FID Standard Report

Purged on Tue Mar 25, 1997 11:38:41
Sample Name : LCS032597;G; INSTRUMENT: HP58905A
Result File : /DATA/LOOP/RESULT/D5AGAS07C_004.RES
Column Type : DBWAX 30m 0.53mm ID Purged Vol. : 5 ml

4.154

4.812

5.882

6.487

7.529
7.710
7.831

8.432
8.691

9.124
9.431
9.675 9.768
10.042
10.347

10.616
10.890
11.067 11.244

11.387
11.456
11.500
11.719
11.856
11.968
12.112
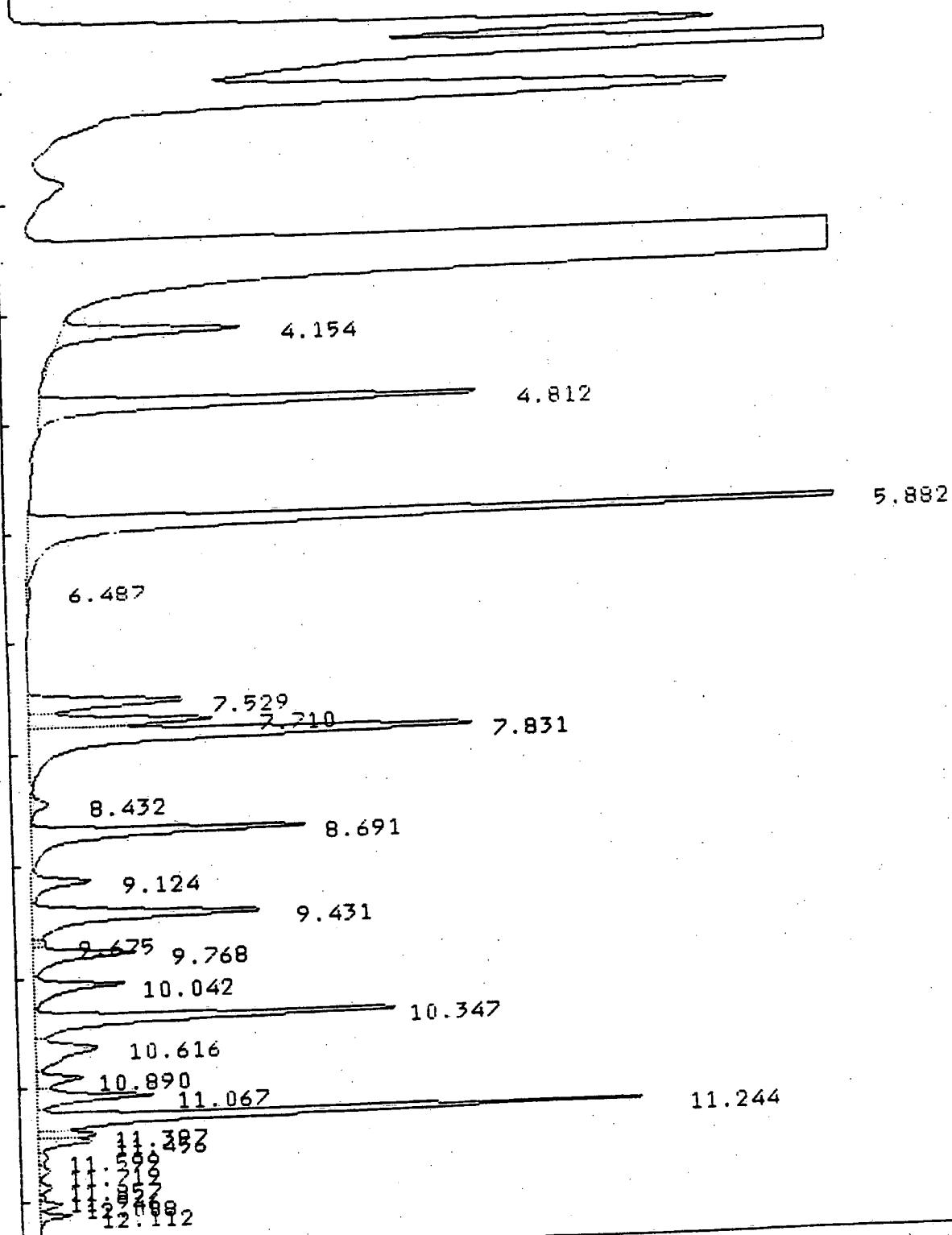
IEA GC/FID Standard Report

Report No : 4.20

Sample Name   : LCS032597;G;
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_004.RES
Column Type   : DBWAX   30m 0.53 ID   Purge Vol. : 5 ml
Instrument   : HP58905A
Calculation   : Zero
Run Time   : 20.00 Mins.   Purged on Tue Mar 25, 1997 11:38:41 am
Sequence File   : /DATA/LOOP/SEQUENCE/S5AGAS07C.SEQ
Subseq/Sample   : 1/ 4   ALS no. : 5

% Dil-Fact
   100.00

Run Status   : RunStatusOK
                   EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPM	Name
1	4.15		.088210	106192	BV	4.0831	
2	4.81		.088062	266024	PV	10.2287	ддь TFT
3	5.88		.088176	603922	PV	23.2209	
4	6.49		.134435	2790	PV	.1073	
5	7.53		.091481	96624	PV	3.7152	
6	7.71		.081621	100276	VV	3.8556	
7	7.83		.103485	313966	VV	12.0720	
8	8.43		.093807	11711	VV	.4503	
9	8.69		.087399	163827	VV	6.2992	
10	9.12		.091462	36321	VV	1.3965	
11	9.43		.099448	155354	VV	5.9734	
12	9.67		.054999	4183	VV	.1608	
13	9.77		.088944	61901	VV	2.3801	
14	10.04		.089006	55325	VV	2.1273	
15	10.35		.071542	183101	VV	7.0403	
16	10.62		.140524	57228	VV	2.2004	
17	10.89		.082517	25057	VV	.9635	
18	11.07		.071619	57065	VV	2.1941	
19	11.24		.051030	217451	VV	8.3610	
20	11.40		.058200	22507	VV	.8654	
21	11.46		.058994	22073	VV	.8487	
22	11.60		.075830	4780	VV	.1838	
23	11.72		.078642	5331	VV	.2050	
24	11.86		.056071	4935	VV	.1898	
25	11.95		.043710	1580	VV	.0608	
26	12.01		.052636	8588	VV	.3302	
27	12.11		.059175	12661	VV	.4668	

Total Area   :   2600774   Total PPM   :   100.000

Report Time   : Tue Apr 1, 1997 10:24:25 am
Method   : /DATA/LOOP/METHOD/HP58905AG5.M
Result File   : /DATA/LOOP/RESULT/D5AGAS07C_004.

BATCH#: _____
DATE: _3-13-99_
ANALYST: _J. Florance_
MATRIX: _____
REVIEW: _____

FLASHPOINT*/IGNITABILITY
DATA

ample #	Flashpoint °F	Ignites/Not Ignitable	Comments
eference *		NOT APPLICABLE	Actual F.P. 81°F
71054- 001		Not ignitable	
UP -001			
-002			
003		J. F. Floran J. Florance	
71094-001	>190° F		3-18-99 J.F.
71148-001	↓		
71150-001	Flashpoint at 190° F		
71102-001		Not ignitable	
003			
004 005			
005 JK 4/7/99			
007 Dup			
008			
009		↓	
71133-003		Not ignitable	
Reference p-xylene	Flashpoint at 81°F		Actual F.P. 81°F
71126-001		Not ignitable	
DUP -001			
-002		↓	
-003			
-004		004- ignitable	
005		005-Not ignitable	
-006		006- ignitable	↓

(p-xylene) Reference is used for Flashpoint Analaysis only (closed-cup
ethod)

J. Floran J. Florance

Batch: 13640

Luis Batch: WG9617

Analysis: PCB-8080A-

Extract File#: 41

Relinquished To Storage(Init/Date): JSL 3-14-97

Removed From Storage(Init/Date): GOS 3·14·97

Returned To Storage(Init/Date): _____

Extraction Method: SEP FUNNEL Date: 13-MAR-97 Analyst: John J. ___one JCJ~J·87

Concentration (Finish) Date: 14-MAR-97 Analyst: John S. Lena JSL 3-14-

Cleanup Type: ACID Date: 14-MAR-97 Analyst: John S. Le
COPPER 14-MAR-97 John S. Le

BS LOT #: SS1094E   BS LOT VOLUME: .2ml   MS LOT #: _____   MS LOT VOLUME: _____   MSD LOT #: _____   MSD LOT VOLUME: _____

Lab ID	Client ID	Sample Vol	Int. pH	BN pH	AE pH	Initial Vol.	Split Aliquot	Final Vol.		Surr. Vol Lot	Comments
71057006	FCCST-D006	1000 ml	12		6			2	ml	SS1089E .2 ml	
71097019	FB-5	980 ml	5					2	ml	SS1089E .2 ml	
71102002	SS01FB	970 ml	5					2	ml	SS1089E .2 ml	
QE-13640E	BLANK	1000 ml	5					2	ml	SS1089E .2 ml	
QE-13640ES	BL.SP.	1000 ml	5					2	ml	SS1089E .2 ml	
QE-13640ES	BL.SP.	1000 ml	5					2	ml	SS1089E .2 ml	

JSL 3-14-97

Batch: 13648

Extract File#: 41 1

Extraction Method: SONICATION Date: 14-MAR-97 Analyst: John J. Carlone _JC31497_

Luis Batch: WG9640

Relinquished To Storage(Init/Date): _JL 3-18-97_

Concentration (Finish) Date: 18-MAR-97 Analyst: John S. Lena _JL 3-18-97_

Analysis: PCB-8080A-

Removed From Storage(Init/Date): _GDS 3·18·97_

Cleanup Type: ACID Date: 18-MAR-97 Analyst: John S. Le
COPPER 18-MAR-97 John S. Le

Returned To Storage(Init/Date): _____

BS LOT #: SS1094E BS LOT VOLUME: 1ml MS LOT #: SS1094E MS LOT VOLUME: 1ml MSD LOT #: SS1094E MSD LOT VOLUME: 1ml

Lab ID	Client ID	Sample Wgt	pH	% Sol	% Sol Dec	Initial Vol.	Split Aliquot	Final Vol.	Surr. Lot	Vol	Comments
71008001	COMP#23	30.0 g		80.84				10 ml	SS1089E	1 ml	acid 2x, florisil
71102001	SS01	30.0 g		84.97				10 ml	SS1089E	1 ml	acid 2x, florisil
71102003	SS02	30.0 g		85.13				10 ml	SS1089E	1 ml	acid 2x, florisil
71102004	SS06DUP	30.0 g		83.13				10 ml	SS1089E	1 ml	acid 2x, florisil
71102005	SS03	30.0 g		68.6				10 ml	SS1089E	1 ml	acid 2x, florisil
71102006MS	SS03 MS	30.0 g		68.6				10 ml	SS1089E	1 ml	acid 2x, florisil
71102007MSD	SS03 MSD	30.0 g		68.6				10 ml	SS1089E	1 ml	acid 2x, florisil
71102008	SS04	30.0 g		68.83				10 ml	SS1089E	1 ml	acid 2x, florisil
71102009	SS05	30.0 g		74.84				10 ml	SS1089E	1 ml	
71126001	FCCSTS-008	30.0 g		96.45				10 ml	SS1089E	1 ml	
71126002	FCCSTS-009	30.0 g		92.7				10 ml	SS1089E	1 ml	
71126003	FCCSTS-010	30.0 g		96.76				10 ml	SS1089E	1 ml	
71126004	FCCSTS-011	30.0 g		77.6				10 ml	SS1089E	1 ml	acid 2x, florisil
71126005	FCCSTS-012	30.0 g		66.07				10 ml	SS1089E	1 ml	
71126006	FCCSTS-013	30.0 g		82.92				10 ml	SS1089E	1 ml	
71133003	S-3	30.0 g		88.46				10 ml	SS1089E	1 ml	
QE-13648E	BLANK	30.0 g						10 ml	SS1089E	1 ml	
QE-13648ES	BL.SP.	30.0 g						10 ml	SS1089E	1 ml	

GDS
3.18.97

000431

Batch: 13657

Luis Batch: WG9674

Analysis: PHC-8015M-

Extract File#: 2M

Relinquished To Storage(Init/Date): _JSL_ 3-24-97

Removed From Storage(Init/Date): _____

Returned To Storage(Init/Date): _____

Extraction Method: SEP FUNNEL Date: 18-MAR-97 Analyst: John J. Carlone JC 3-18-97

Concentration (Finish) Date: 24-MAR-97 Analyst: John S. Lena JSL 3-24-97

BS LOT #: SS1063E   BS LOT VOLUME: .5ml   MS LOT #: SS1063E   MS LOT VOLUME: .5ml   MSD LOT #: SS1063E   MSD LOT VOLUME: .5ml

Lab ID	Client ID	Sample Vol	Int. pH	BN pH	AE pH	Initial Vol.	Split Aliquot	Final Vol.	Surr. Vol Lot	Comments
71102002	SS01FB	1000 ml	1					1 ml	SS1098E 1 ml	
71142003	2669-97-3	850 ml	1					1 ml	SS1098E 1 ml	
71142003MSD	2669-97-3	430 ml	1					1 ml	SS1098E 1 ml	
71142003MS	2669-97-3	430 ml	1					1 ml	SS1098E 1 ml	
QE-13657E	BLANK	1000 ml	5		1			1 ml	SS1098E 1 ml	
QE-13657ES	BL.SP.	1000 ml	5		1			1 ml	SS1098E 1 ml	

JSL 3-24-97

000432

Extract File#: _____

Batch: 13685

Luis Batch: WG9780

Analysis: PHC-8015M-

Relinquished To Storage(Init/Date): _____

Removed From Storage(Init/Date): _____

Returned To Storage(Init/Date): _____

Extraction Method: SONICATION Date: 25-MAR-97 Analyst: John J. Carlone

Concentration (Finish) Date: 26-MAR-97 Analyst: John S. Lena

BS LOT #: SS1063E   BS LOT VOLUME: .5ml   MS LOT #: SS1063E   MS LOT VOLUME: .5ml   MSD LOT #: SS1063E   MSD LOT VOLUME: .5ml

Lab ID	Client ID	Sample Wgt	pH	% Sol	% Sol Dec	Initial Vol.	Split Aliquot	Final Vol.		Surr. Lot	Vol	Comments
71102001	SS01	30.0 g		84.97				1	ml	SS1098E	1 ml	
71102003	SS02	30.0 g		85.13				1	ml	SS1098E	1 ml	
71102004	SS06DUP	30.0 g		83.13				1	ml	SS1098E	1 ml	
71102005	SS03	30.0 g		68.6				1	ml	SS1098E	1 ml	final volume= 10 ml
71102006MS	SS03 MS	30.0 g		68.6				1	ml	SS1098E	1 ml	final volume= 10 ml
71102007MSD	SS03 MSD	30.0 g		68.6				1	ml	SS1098E	1 ml	final volume= 10 ml
71102008	SS04	30.0 g		68.83				1	ml	SS1098E	1 ml	final volume= 10 ml
71102009	SS05	30.0 g		74.84				1	ml	SS1098E	1 ml	
QE-13685E	BLANK	30.0 g						1	ml	SS1098E	1 ml	
QE-13685ES	BL.SP.	30.0 g										

000433

TCLP

CLIENT : <u>Allied Signal Inc.</u>

MATRIX: <u>LEACHATE</u>

JOB No.: <u>71102</u>

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
(TCLP) PART 261

Units: MG/L

Lab I.D.	LB-395	LB-688	71102001	71102003	71102005	Regulatory Limits
Client I.D	LEACH BLANK	LEACH BLANK	SS01	SS02	SS03	
*** VOLATILES ***						
Benzene	<0.05		<0.05	<0.05	<0.05	0.5
*** METALS ***						
Arsenic		<0.200	<0.200	<0.200	<0.200	5.0
Chromium		<0.100	<0.100	<0.100	<0.100	5.0
Lead		<0.100	0.207	0.103	0.107	5.0

CLIENT : <u>Allied Signal Inc.</u>

MATRIX: <u>LEACHATE</u>

B No.: <u>71102</u>

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
(TCLP) PART 261

Units: MG/L

Lab I.D.	71102006MS	71102007MSD	71102008	71102009		Regulatory Limits
Client I.D	SS03 MSMS	SS03 MSDMSD	SS04	SS05		
*** VOLATILES ***						
Benzene	80%	82%	<0.05	<0.05		0.5
*** METALS ***						
Arsenic	103%	<0.200	<0.200	<0.200		5.
Chromium	95.7%	<0.100	<0.100	<0.100		5.0
Lead	93.7%	<0.112	0.193	0.594		5.0

Lab Name: IEA-NJ

Job No. : 71102

	CLIENT SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	SMC4 (DBF) #	TOT OUT
01	LB-395	104	98	84	106	0
02	SS01	96	104	88	100	0
03	SS02	102	106	86	108	0
04	SS03	104	100	100	114	0
05	SS04	100	100	90	114	0
06	SS03MS	104	106	90	100	0
07	SS03MSD	106	108	92	98	0
08	SS05	100	98	88	96	0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8   (88-110)
SMC2 (BFB) = Bromofluorobenzene   (86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4 (80-120)
SMC4 (DBF) = Dibromofluoromethane (80-120)

Column to be used to flag recovery values

* Values outside of QC limits.

D System Monitoring Compound diluted out

page 1 of 1   FORM II VOA-1

VOLATILE MATRIX SPIKE RECOVERY

Name: IEA-NJ

Job No. : 71102

Lab ID : 71102006 MS

Compound	% Recovery
Benzene	80%
2-Butanone	86%
Carbon Tetrachloride	78%
Chlorobenzene	82%
Chloroform	76%
1,2-Dichloroethane	74%
1,1-Dichloroethene	92%
Tetrachloroethene	86%
Trichloroethene	76%
Vinyl Chloride	92%

VOLATILE MATRIX SPIKE RECOVERY

Lab Name: <u>IEA-NJ</u>

Job No. : <u>71102</u>

Lab ID : <u>71102007</u> *MSD*

Compound	% Recovery
Benzene	82%
2-Butanone	68%
Carbon Tetrachloride	86%
Chlorobenzene	88%
Chloroform	76%
1,2-Dichloroethane	86%
1,1-Dichloroethene	92%
Tetrachloroethene	86%
Trichloroethene	82%
Vinyl Chloride	94%

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: IEA-NJ

Job No. : 71102

Lab File ID: >ED799   BFB Injection Date: 03/04/97

Instrument ID: MSE   BFB Injection Time: 16:29

GC Column: DB-624   ID: 0.53   Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 60.0% of mass 95	47.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	83.4
175	5.0 - 9.0 % of mass 174	6.0 (7.2)1
176	Greater than 95.0% but less than 101% of mass 174.	81.4 (97.6)1
177	5.0 - 9.0 of mass 176	4.2 (5.1)2

1-Value is % mass 174   2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	>EL110	03/04/97	16:42
02	VSTD020	VSTD020	>EL111	03/04/97	17:14
03	VSTD050	VSTD050	>EL112	03/04/97	17:47
04	VSTD100	VSTD100	>EL113	03/04/97	18:20
05	VSTD150	VSTD150	>EL114	03/04/97	18:53
06	VSTD200	VSTD200	>EL116	03/04/97	19:58

page 1 of 1

FORM V VOA

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: IEA-NJ

Job No. : 71102

Lab File ID: >ED834

Instrument ID: MSE

GC Column: DB-624   ID: 0.53

BFB Injection Date: 03/25/97

BFB Injection Time: 15:37

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	46.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	87.3
175	5.0 - 9.0 % of mass 174	5.9 (6.8)1
176	Greater than 95.0% but less than 101% of mass 174.	83.3 (95.4)1
177	5.0 - 9.0 of mass 176	5.1 (6.1)2

1-Value is % mass 174   2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	>EL640	03/25/97	16:28
02	LB-395	LB-395	>EL642	03/25/97	17:25
03	SS01	71102001	>EL649	03/25/97	19:50
04	SS02	71102003	>EL650	03/25/97	20:14
05	SS03	71102005	>EL651	03/25/97	20:38
06	SS04	71102008	>EL654	03/25/97	21:49
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V VOA

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>IEA-NJ</u>

Job No. : <u>71102</u>

Lab File ID: <u>>ED836</u>

Instrument ID: <u>MSE</u>

GC Column: <u>DB-624</u>   ID: <u>0.53</u>

BFB Injection Date: <u>03/26/97</u>

BFB Injection Time: <u>10:14</u>

Heated Purge: (Y/N) <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	45.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.4
175	5.0 - 9.0 % of mass 174	6.3 (7.4)1
176	Greater than 95.0% but less than 101% of mass 174.	82.8 (97.0)1
177	5.0 - 9.0 of mass 176	4.3 (5.2)2

1-Value is % mass 174   2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	>EL663	03/26/97	10:28
02	SS03MS	71102006MS	>EL664	03/26/97	11:01
03	SS03MSD	71102007MSD	>EL665	03/26/97	11:24
04	SS05	71102009	>EL666	03/26/97	12:07
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

page <u>1</u> of <u>1</u>

FORM V VOA

ou

QUANT REPORT

Quant Rev: 6		Quant Time:	970325 17:47
		Injected at:	970325 17:25
		Dilution Factor:	1.00000

perator ID: IEA
itput File: GEL642::QQ
ita File: >EL642::F1
ime: MSE;LEACH BLANK;
isc: LB-395;VOA-261;L395VO;LE;;;;LOW;

) File: I_826L::N1
itle: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
ist Calibration: 970306 09:54

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Fluorobenzene	8.39	96.0	144650	.50	mg/L	86
5) 1,2-Dichloroethane-d4	7.68	64.8	49634	.42	mg/L	91
1) Dibromofluoromethane	6.96	111.0	59553	.53	mg/L	99
2) *Chlorobenzene-d5	14.78	116.8	109288	.50	mg/L	92
6) Toluene-d8	11.81	97.8	155193	.52	mg/L	96
8) Bromofluorobenzene	17.17	94.8	71502	.49	mg/L	92
9) *1,4-Dichlorobenzene-d4	19.40	150.0	77563	.50	mg/L	77

* Compound is ISTD

Su

3/2/97

TOTAL ION CHROMATOGRAM
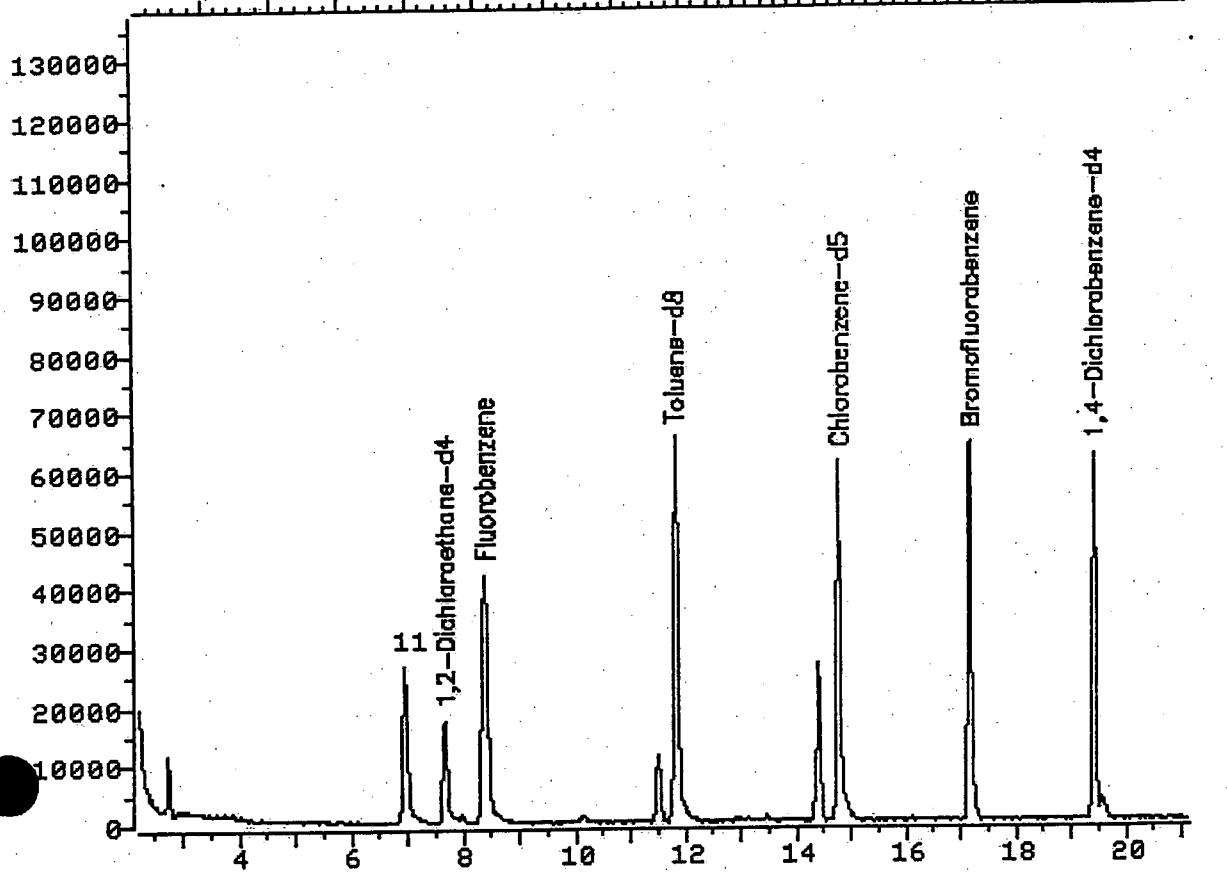
Data File: >EL642::F1   Quant Output File: GEL642::QQ
Name: MSE;LEACH BLANK;
Misc: LB-395;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970325 17:47
Injected at: 970325 17:25

QUANT REPORT

Operator ID: IEA
Output File: ^EL649::QQ
Data File: >EL649::F1
Name: ALS;SS01;
Misc: 71102001;VOA-261;L395VO;LE;;;;LOW;

Quant Rev: 6   Quant Time: 970325 20:12
                 Injected at: 970325 19:50
           Dilution Factor: 1.00000

ID File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Fluorobenzene	8.33	96.0	134420	.50	mg/L	82
6) 1,2-Dichloroethane-d4	7.63	64.8	48192	.44	mg/L	89
11) Dibromofluoromethane	6.92	111.0	53071	.50	mg/L	99
12) *Chlorobenzene-d5	14.76	116.8	111108	.50	mg/L	97
16) Toluene-d8	11.82	97.8	146269	.48	mg/L	93
18) Bromofluorobenzene	17.15	94.8	77899	.52	mg/L	77
19) *1,4-Dichlorobenzene-d4	19.41	150.0	93334	.50	mg/L	79

* Compound is ISTD

3/26/97

TOTAL ION CHROMATOGRAM

File >EL649 35.0-350.0 amu. ALS;SS01;   71102001;VOA-261;L39
                              TIC
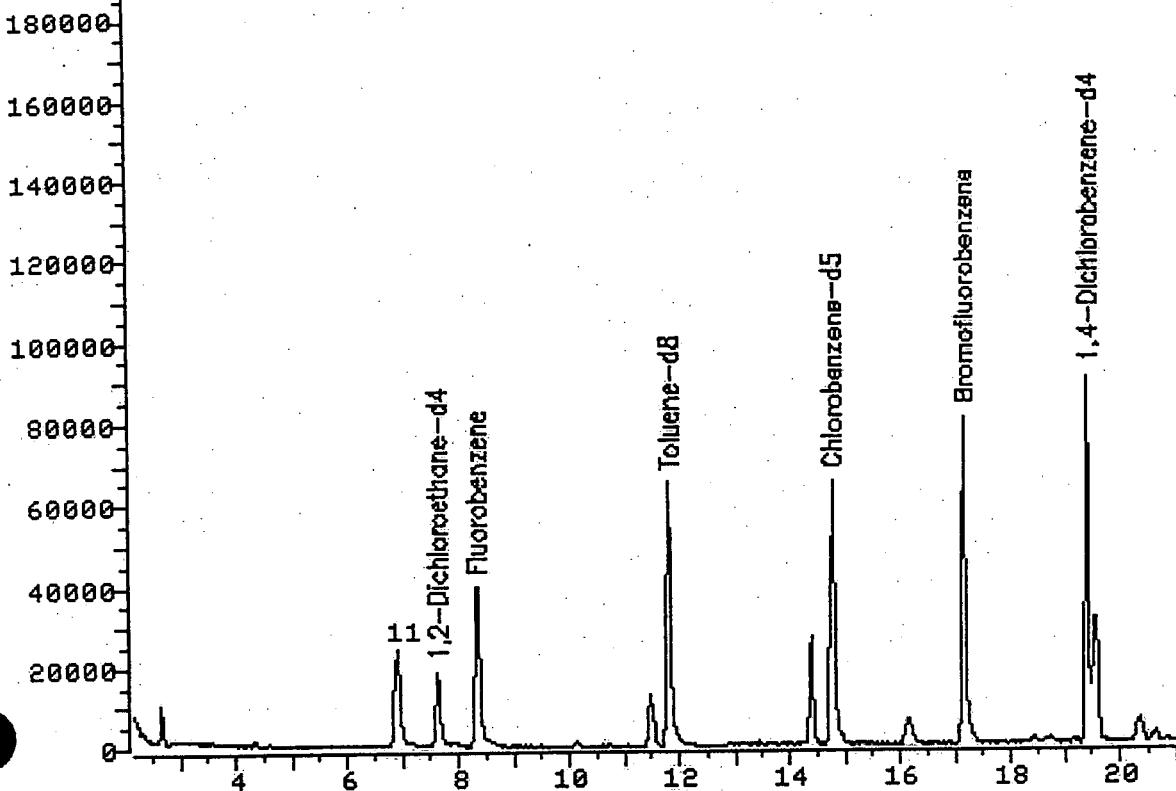
Data File: >EL649::F1   Quant Output File: ^EL649::QQ
Name: ALS;SS01;
Misc: 71102001;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970325 20:12
Injected at: 970325 19:50

QUANT REPORT

D File: I_826L::N1
itle: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
ast Calibration: 970306 09:54

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Fluorobenzene	8.37	96.0	138442	.50	mg/L	88
6) 1,2-Dichloroethane-d4	7.64	64.8	48793	.43	mg/L	89
11) Dibromofluoromethane	6.91	111.0	58341	.54	mg/L	99
12) *Chlorobenzene-d5	14.75	116.8	109030	.50	mg/L	85
16) Toluene-d8	11.81	97.8	152930	.51	mg/L	93
18) Bromofluorobenzene	17.16	94.8	77225	.53	mg/L	96
19) *1,4-Dichlorobenzene-d4	19.39	150.0	93972	.50	mg/L	77

* Compound is ISTD

3/26/97

TOTAL ION CHROMATOGRAM

File >EL650   35.0-350.0 amu. ALS;SS02;   71102003;VOA-261;L39
                                TIC

Data File: >EL650::F1   Quant Output File: ^EL650::QQ
Name: ALS;SS02;
Misc: 71102003;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970325 20:36
Injected at: 970325 20:14

oll

QUANT REPORT

D File: I_826L::N1
itle: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
ast Calibration: 970306 09:54

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Fluorobenzene	8.37	96.0	117117	.50	mg/L	81
6) 1,2-Dichloroethane-d4	7.69	64.8	47776	.50	mg/L	93
1) Dibromofluoromethane	6.96	111.0	52180	.57	mg/L	97
2) *Chlorobenzene-d5	14.77	116.8	97157	.50	mg/L	97
6) Toluene-d8	11.83	97.8	138049	.52	mg/L	92
8) Bromofluorobenzene	17.16	94.8	64892	.50	mg/L	71
9) *1,4-Dichlorobenzene-d4	19.42	150.0	78890	.50	mg/L	82

* Compound is ISTD

Sal

3/25/97

TOTAL ION CHROMATOGRAM

Data File: >EL651::F1   Quant Output File: ^EL651::QQ
Name: ALS;SS03;
Misc: 71102005;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970325 20:59
Injected at: 970325 20:38

QUANT REPORT

	Quant Rev: 6	Quant Time: 970326 11:23
Operator ID: IEA		Injected at: 970326 11:01
Output File: ^EL664::QQ		Dilution Factor: 1.00000
Data File: >EL664::F1		

Name: ALS;SS03 MS;
Misc: 71102006MS;VOA-261;L395VO;LE;;;;LOW;

Cal File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Fluorobenzene	8.24	96.0	147082	.50	mg/L	86
2)	Vinyl Chloride	2.60	61.8	38981	.46	mg/L	98
3)	1,1-Dichloroethene	3.82	95.8	32125	.46	mg/L	98
4)	Chloroform	6.52	82.8	69327	.38	mg/L	87
5)	1,2-Dichloroethane	7.69	61.8	47215	.37	mg/L	91
6)	1,2-Dichloroethane-d4	7.54	64.8	53544	.45	mg/L	89
7)	2-Butanone	6.06	43.0	12742	.43	mg/L	95
8)	Carbon Tetrachloride	7.37	116.8	55367	.39	mg/L	98
9)	Trichloroethene	9.08	129.8	40227	.38	mg/L	98
10)	Benzene	7.71	77.8	119345	.40	mg/L	93
11)	Dibromofluoromethane	6.81	111.0	57550	.50	mg/L	98
12)	*Chlorobenzene-d5	14.70	116.8	104925	.50	mg/L	94
13)	4-Methyl-2-Pentanone	11.39	43.0	49561	.62	mg/L	78
14)	Tetrachloroethene	13.09	165.8	53937	.43	mg/L	95
16)	Toluene-d8	11.73	97.8	149729	.52	mg/L	95
17)	Chlorobenzene	14.77	111.8	90034	.41	mg/L	91
18)	Bromofluorobenzene	17.11	94.8	75450	.53	mg/L	93
19)	*1,4-Dichlorobenzene-d4	19.37	150.0	82947	.50	mg/L	75

* Compound is ISTD

3/26/97

TOTAL ION CHROMATOGRAM

File >EL664   35.0-350.0 amu. ALS;SS03 MS;   71102006MS;VOA-261;L
TIC
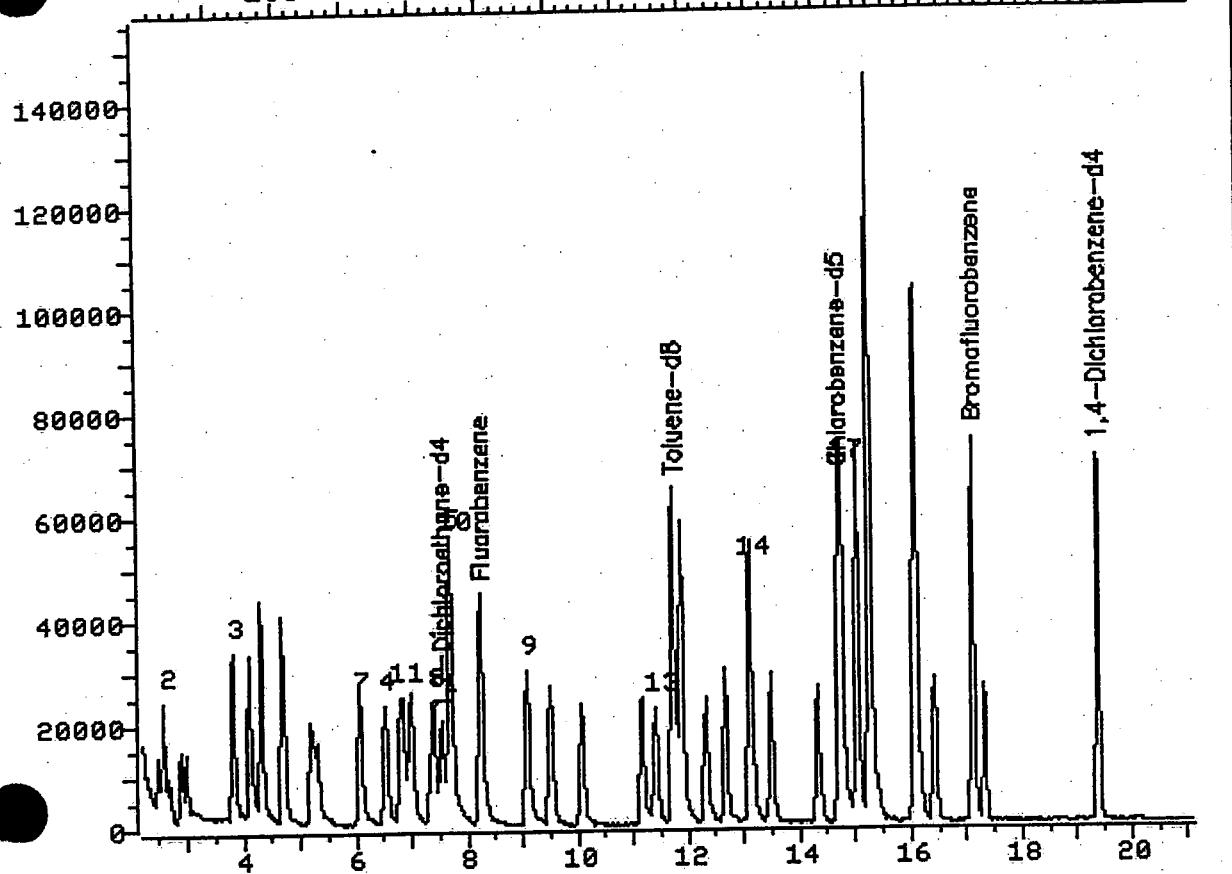
Data File: >EL664::F1   Quant Output File: ^EL664::QQ
Name: ALS;SS03 MS;
Misc: 71102006MS;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970326 11:23
Injected at: 970326 11:01

oll

QUANT REPORT

Quant Rev: 6	Quant Time: 970326 11:46
	Injected at: 970326 11:24
	Dilution Factor: 1.00000

erator ID: IEA
tput File: ^EL665::QQ
ta File: >EL665::F1
me: ALS;SS03 MSD;
sc: 71102007MSD;VOA-261;L395VO;LE;;;;LOW;

) File: I_826L::N1
tle: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
st Calibration: 970306 09:54

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Fluorobenzene	8.35	96.0	143352	.50	mg/L	89
2)	Vinyl Chloride	2.61	61.8	39046	.47	mg/L	99
3)	1,1-Dichloroethene	3.85	95.8	31171	.46	mg/L	98
4)	Chloroform	6.60	82.8	66755	.38	mg/L	91
5)	1,2-Dichloroethane	7.79	61.8	53860	.43	mg/L	96
6)	1,2-Dichloroethane-d4	7.64	64.8	53680M	.46	mg/L	89
7)	2-Butanone	6.16	43.0	9914	.34	mg/L	99
8)	Carbon Tetrachloride	7.47	116.8	58859	.43	mg/L	94
9)	Trichloroethene	9.18	129.8	42373	.41	mg/L	94
0)	Benzene	7.79	77.8	120542	.41	mg/L	89
1)	Dibromofluoromethane	6.91	111.0	55178	.49	mg/L	98
2)	*Chlorobenzene-d5	14.75	116.8	107893	.50	mg/L	93
3)	4-Methyl-2-Pentanone	11.47	43.0	43548	.53	mg/L	77
4)	Tetrachloroethene	13.17	165.8	56090	.43	mg/L	99
6)	Toluene-d8	11.79	97.8	156873	.53	mg/L	93
7)	Chlorobenzene	14.80	111.8	100347	.44	mg/L	90
8)	Bromofluorobenzene	17.14	94.8	78691	.54	mg/L	90
9)	*1,4-Dichlorobenzene-d4	19.40	150.0	91336	.50	mg/L	85

* Compound is ISTD

Gu

5/26/17

TOTAL ION CHROMATOGRAM
File >EL665   35.0-350.0 amu. ALS;SS03 MSD;   71102007MSD;VOA-261;
                               TIC
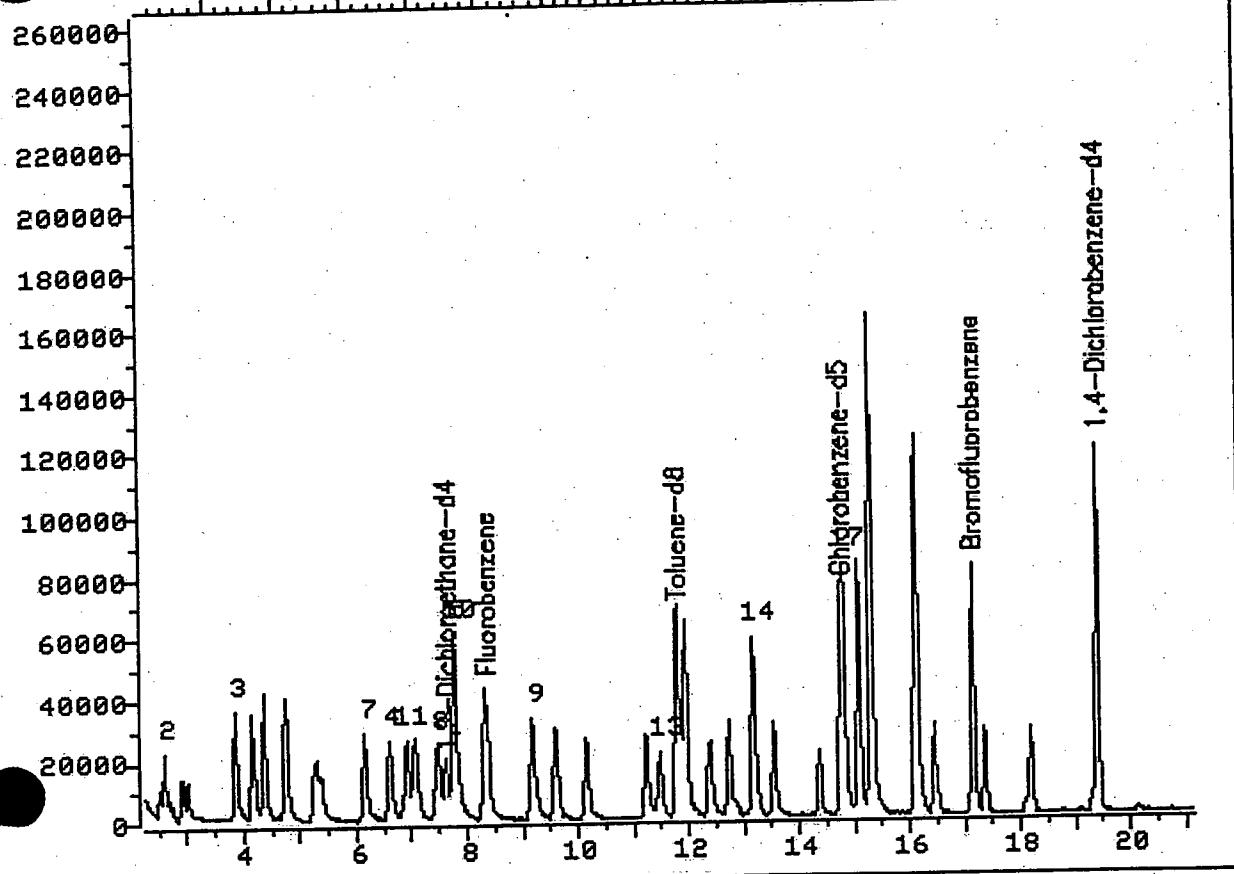
Data File: >EL665::F1   Quant Output File: ^EL665::QQ
Name: ALS;SS03 MSD;
Misc: 71102007MSD;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970326 11:46
Injected at: 970326 11:24

QUANT REPORT

perator ID: IEA
utput File: ^EL654::QQ
ata File: >EL654::F1
ame: ALS;SS04;
isc: 71102008;VOA-261;L395VO;LE;;;;LOW;

D File: I_826L::N1
itle: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
ast Calibration: 970306 09:54

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Fluorobenzene	8.37	96.0	124258	.50	mg/L	86
6)	1,2-Dichloroethane-d4	7.66	64.8	45629	.45	mg/L	92
.1)	Dibromofluoromethane	6.93	111.0	55033	.57	mg/L	98
.2)	*Chlorobenzene-d5	14.78	116.8	102270	.50	mg/L	91
16)	Toluene-d8	11.83	97.8	140850	.50	mg/L	97
18)	Bromofluorobenzene	17.16	94.8	68846	.50	mg/L	71
19)	*1,4-Dichlorobenzene-d4	19.42	150.0	82369	.50	mg/L	78

* Compound is ISTD

_Su_
_3/26/97_

TOTAL ION CHROMATOGRAM
File >EL654   35.0-350.0 amu. ALS;SS04;   71102008;VOA-261;L39
                                TIC
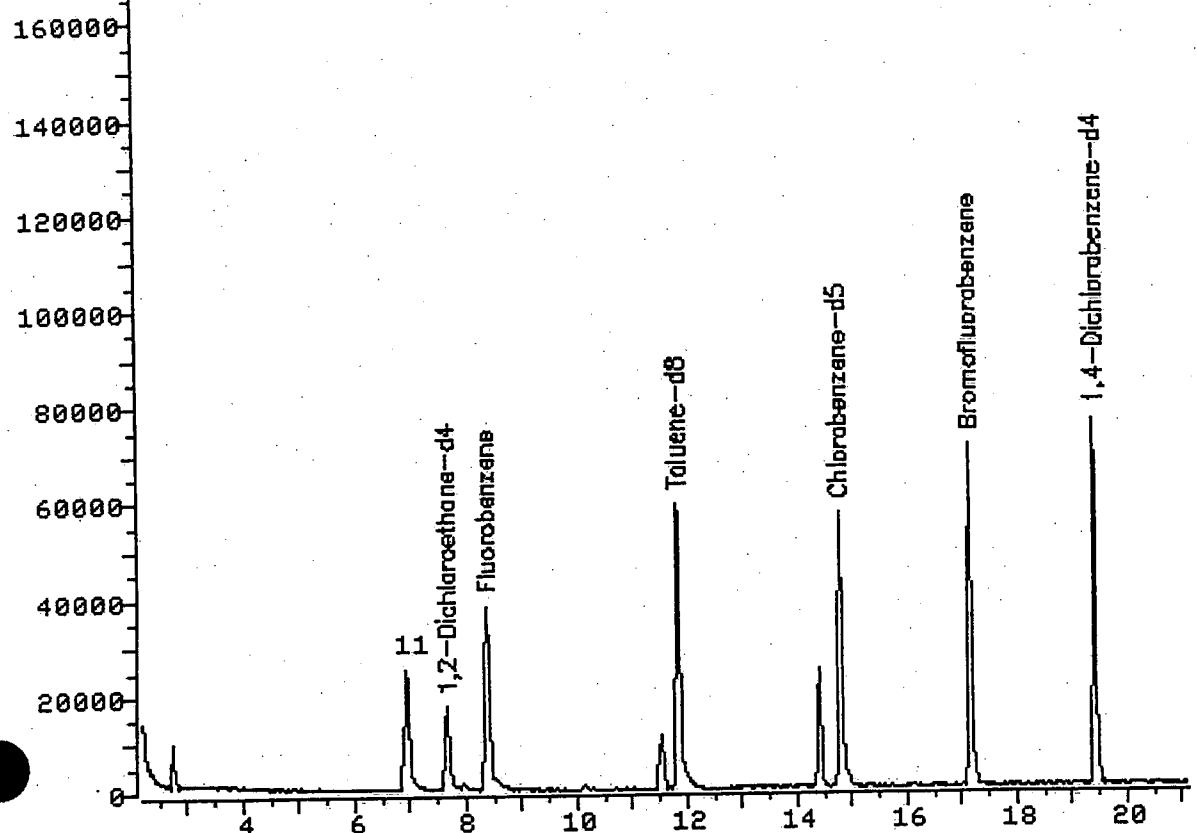
Data File: >EL654::F1   Quant Output File: ^EL654::QQ
Name: ALS;SS04;
Misc: 71102008;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970325 22:11
Injected at: 970325 21:49

QUANT REPORT

Quant Rev: 6	Quant Time: 970326 12:29
Operator ID: IEA	Injected at: 970326 12:07
Output File: ^EL666::QQ	Dilution Factor: 1.00000

Data File: >EL666::F1
Name: ALS;SS05;
Disc: 71102009;VOA-261;L395VO;LE;;;;LOW;

ID File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Fluorobenzene	8.43	96.0	113946	.50	mg/L	85
6)	1,2-Dichloroethane-d4	7.73	64.8	40611	.44	mg/L	91
11)	Dibromofluoromethane	7.00	111.0	42747	.48	mg/L	84
12)	*Chlorobenzene-d5	14.81	116.8	83803	.50	mg/L	91
16)	Toluene-d8	11.87	97.8	113480	.50	mg/L	89
18)	Bromofluorobenzene	17.20	94.8	55317	.49	mg/L	90
19)	*1,4-Dichlorobenzene-d4	19.44	150.0	61420	.50	mg/L	79

* Compound is ISTD

Su
3/26/97

TOTAL ION CHROMATOGRAM

File >EL666 35.0-350.0 amu. ALS;SS05; TIC   71102009;VOA-261;L39
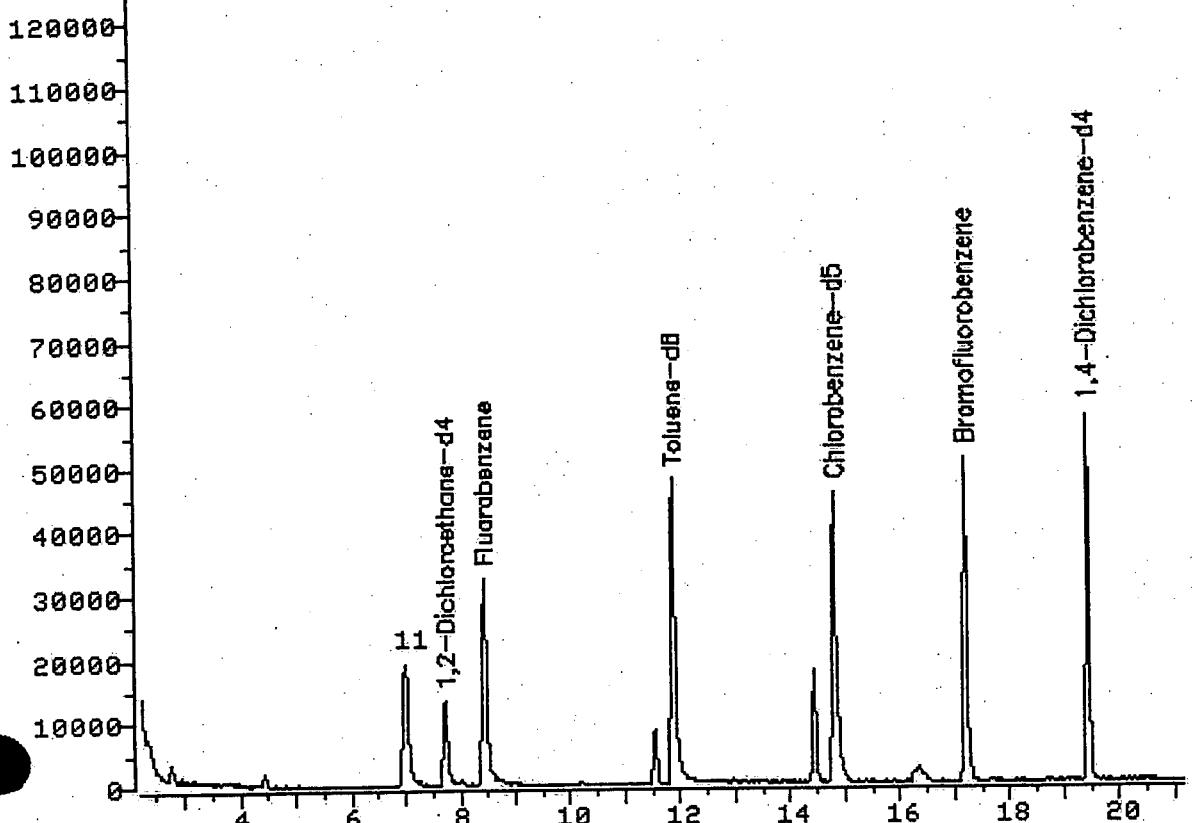
Data File: >EL666::F1   Quant Output File: ^EL666::QQ
Name: ALS;SS05;
Misc: 71102009;VOA-261;L395VO;LE;;;;LOW;

Id File: I_826L::N1
Title: EPTOX VOLATILES RULE 261 - TOXICITY CHARACTERISTIC
Last Calibration: 970306 09:54

Operator ID: IEA
Quant Time: 970326 12:29
Injected at: 970326 12:07

Leachate Metal Matrix Spike Percent Recovery

Lab Name: IEA/NJ

Job Number: 71102

ICP Matrix Spike Sample Number: 71102 006

Hg Matrix Spike Sample Number: _____

Compound	Percent Recovery
Arsenic	103
Barium	
Cadmium	
Chromium	95.7
Lead	93.7
Mercury	
Selenium	
Silver	

ATTACHMENT M

LIST OF CONTRACTORS

BFI Systems	Transport and Disposal of Asbestos.
Clean Harbors Environmental Services Inc.	Boom installation and maintenance in the Hudson River.
CTE Environmental Services, Inc.	Soil boring and drilling.
Guardian Fence Company, Inc.	Installation of site fencing.
IEA Laboratories	Chemical analysis of environmental samples.
Integrated Technical Services Inc.	Test pit excavations.
LaFave, White and McGivern, LS., P.C.	Site Surveying.
Marcor Environmental and Remediation	Test pit excavations and asbestos removal.
O'brien and Gere Laboratory	Chemical analysis of environmental samples.
Parsons Engineering Science, Inc.	Consulting services - site investigation oversight.